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# DATA PROCESSING DIVISION USAFETAC Air Weather Service (MAC)

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

WILLIAMS AFB AZ WBAN #23104 N 33 18 W 111 40 FLD ELEV 1383 FT CHD WMO #

PARTS A-F
POR FROM HOURLY OBS: JUN 69 - DEC 70, JAN 73 - MAY 81
POR FROM DAILY OBS: MAR 42 - FEB 46, APR 46 - MAY 81
TIME CONVERSION GMT TO LST: -7

OCT 2 1 1981

FEDERAL BUILDING ASHEVILLE, N. C.

DESTRUCTION STATEMENT A

Approved for public releases
Distribution Unlimited

DD , FORM 1473

- 19. Percentage frequency of distribution tables
  Dry-bulb temperature versus wet-bulb temperature
  Cumulative percentage frequency of distribution tables
  - \* Arizona
- 20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

Williams AFB weather station had part time operations for a significant period of their history. Analyzing the "Station History" indicates that Williams AFB was part time through most of the hourly period of record. Generally the station was closed, for the most part, from 2300 LST to 0400 LST and therefore the hour groups which contain the hours listed will be affected and all users of this summary should be aware of the following:

- a. Since the station had full time operations for a relatively short period of record (Feb 75-Aug 77), the hours 2300 LST to 0400 LST were omitted from the product since we believe that to include this data, the statistical results would have no significance due to low observation counts. Therefore the hour group 00-02 LST will not be included in the summary.
- b. The hour group 03-05 LST contains only 0500 LST data.
- c. The hour group 21-23 LST contains data for 2100 LST and 2200 LST only, therefore the statistics will be biased towards the hours 2100 LST and 2200 LST.
- d. Means and Standard Deviations sections will be affected in the following:
- 1. Since the station was closed during overnight hours, temperature data will be biased towards the hours that the station was open. This is evident when comparing the RUSSWO produced 16 Jul 1975 with this product. The dry bulb temperature section in the old RUSSWO indicates a mean annual temperature of 71.0°F, while the new RUSSWO shows a dry bulb temperature of 73.1°F, an increase of 2.1°.
- 2. Station pressure and Sea Level Pressure are not available for the hours 0200 and 2300 LST. The pages that should be analyzed cautiously will be stamped:

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U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

# REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

#### HOURLY OBSERVATIONS

No.rry observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

#### DAILY OBSERVATIONS

lairy observations are selected from all data recorded on reporting forms and combined into Summary of the Day observations. (Selected from record-special, rocal, summary of the day, remarks, etc.)

#### DESCRIPTION OF SUMMARIES

Frecedit, each section is a trief description of the data comprising each part of the Revised Uniform Summary of Surface Weather Observations and the manner of presentation. Tabulations are prepared from hourly and daily observations recorded by stations operated by the U.S. Serviced and some foreign stations using similar reporting practices.

Unless otherwise noted the following sammaries are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PARTC SURFACE WINDS

PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV .

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

#### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations:

#### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY	APRIL	JULY	OCTOBER
EBRUARY	MAY	AUGUST	NOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER



2310		STATION NAME WILLIAMS AFB ARIZONA		1	3 18	W111		1383		HD 6N	WMO NUMPER
		STATION LOCATI	ON A	ND I	NSTR	UME	NTA	ATION	HIST	ORY	
OF OCATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THE	S LOCATION	LATITUE	DE	FONCILADE	ELEVATION	ABOVE MSL HT. BARO.	OBS PER DAY
1. 2. 3. 4. 5. 6. 7. 8. 10.	Same	Field, Chandler Arizona AFB Arizona	AAF Same AFB Same Same Same Same Same Same	Mar 42 Oct 44 Apr 53 Apr 54 Mar 59 Jan 61 May 63 Oct 65 Jan 71 Feb 75 Jan 80	Sep 44 Apr 53 Apr 54 Mar 59 Dec 60 Apr 63 Sep 65 Dec 70 Jan 75 Dec 79 Aug 81	N33 1 Same Same Same Same Same Same Same	S S S S S S S S S S S S S S S S S S S	Fill 40  Same Same Same Same Same Same Same Sam	1344 1338 1360 1372 1385 Same Same Same Same Same 1383	1351 Same Same Same Same Same Same Same Same	24 24 24 24 14t 24 12t 15t 17t 7 t
NUMBER	DATE OF		ND EGUIPMENT			os Tura	BOVE	REMARKS. AD	DITIONAL EQUIP	NENT, OR RE	ASON FOR CHANG
LOCATION	CHANGE	LOCATION		TYPE O	TTER RECORD	R GRO	UNO				
1. 2. 3. 4. 5. 6. 7. 8.	Mar 42 Jul 45 Sep 48 Apr 53 Apr 56 Apr 57 Apr 59 Jan 61 Apr 62 Apr 63	Located on Operations Builsame Not available Located in Weather Station Located on top of Base Ope Located on top of Weather Same Located 750 ft NE from Rnwy N Located on SE end of NW-S Located between the Rnwys 1/2 way point Same	n erations Station wy NW-SE E-SW E Rnwy	Same Same	yn Same Same ML-1	25 N/R 44B 47. 44B 65 40 35 -2 13	ft 5ft ft				

KBER	DATE	SURFACE WIND EQUIPMENT INF	ORMATION			
OF ATION	OF	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	REMARKS, ADDITIONAL EQUIPMENT OR REASON FOR CHANGE
2.	Nov 66	Located 1/2 way between Rnwys 30L and 30R approx 1/2 way down length	Same	Same	Same	
3.	Jan 71	of Rnwys 100 yds to left of GCA Located 2000 ft NE of ROS between Rnwys 12C & 12R	AN/GMQ-2	0 RO-362	Same	
4.	Jan 72	Located 750 ft SW of centerline, 4000 ft from end of Rnwy 120	Same	Same	Same	
5. 5.	Dec 79 Aug 81	Same Same	Same Same	Same Same	Same Same	
				l		
		•				
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#### PART A

#### WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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# **WEATHER CONDITIONS**

STATION

ATELIANS AFR AZ
STATION NAME

70,73-81

JAI

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	0-43												
	3-115		4 - 1				4.1	2.0	• 4			2.4	246
	£ <b>-</b> . €		4.5				4.5	3.2	• ᢒ			2.8	761
	9-11		4.0				4.0	<b>3.</b> 0	1.2		• 1	4.0	900
	12-,4		5 • 🖫				5.2	1.0	1.2			200	900
	15-17		3.5				3.5	• 5	1.2			1.6	922
: ! =	16-2	• 8	4.3			·	4.3	1.5	1.1				653
	21-23		1.4				1.4						?61
			, 										
TOTALS		• 1	3.9				3.9	1.6	.8		• 3	2.3	4563

USAFETAC JULY 64 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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### **WEATHER CONDITIONS**

STATION

.ILLIAMS AFS AZ

70,73-81

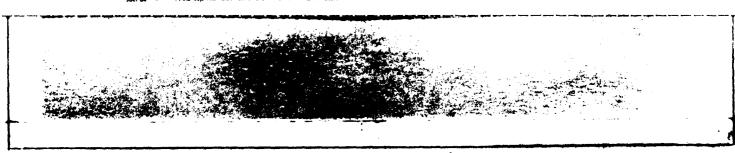
YEARS

FE -

PE CENTAGE FREDUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUSELY GESERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
€_3	JD=112												
	53-75		6.1			· 	6.1	• 4				.4	236
	6-13		3.1			 <del> </del> -	3.1	1.0	•6			1.5	713
	9- 1		4.				4.5	1.2	. 4		. 4	2.0	620
	12-14		2 • ذ			 	3.3	<u> </u>	•6		• 4	1.3	2
	15-17		3.3				3.3	• 4	• 3		.4	1.1	758
	19-21		2.4				2.4	• 2			 	• 2	517
	1-23	. 4	1.5				1.8				L		273
			} 								<u> </u>		
							<u> </u>						
													<u> </u>
TOTALS		•1	3.4				3.4	• 5	• 3		• 3	• 5	4233

USAFETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



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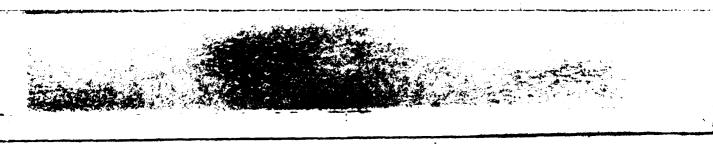
# **WEATHER CONDITIONS**

•	4	ILLIAMS AFR AZ	70,73-81	МДО
	TATION	STATION NAME	YEARS	HTHOM

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
127	.a-02												
	_ 3 = .55		3.9				3.9	. 4			ة.	1.2	756
	, £ - 1 €	• 1	4.4				4.4	٤			• 5	.7	ε02
	9-1		3.4				3.4	•?	•1		•2	• 5	930
	1.2-14	•2	4.4		•1	• 2	4.4	. 3			• 1	.4	93.7
	15-17		3 و دُ				3.3	• 2			• 1	.4	154
	19-2		4.3				4.8	•1	.4		• 7	1.3	712
	1-27	• 3	3.8				3.8	<del></del>					342
			i 								<u> </u>		
			<b>_</b>										
	ļ												
TOTALS		• 1	4.3		• 11	• 0	4.3	• 2	•1		• 3	.6	4826

USAFETAC FORM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE



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# **WEATHER CONDITIONS**

4 STATION STATION NAME

70,77-81

YEARS

AP:

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
585	0-62												· ·· ·
	23-75		• 9				.8						กรก
	6-38		1.3		·		1.0						781
	.9-11		1.1				1.1						950
	12-14		1.1				1.1				•1	•1	500
	15-17	.4	2.0				2.0				•5	•5	831
	12-3	• 1	2.6				2.0	• 1			•7	.8	706
	2 <b>1-23</b>		1.02				1.2						346
									<u> </u>				
			<del></del>				<u> </u>						
TOTALS		.1	1.3				1.3	• 🤊			• 2	.2	4714

USAPETAC ANY M. 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE ORIGINETE



FI PAL CLIMATOLOGY BRANCH FETAC FETAC FRANCEZMAC

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## **WEATHER CONDITIONS**

STATION STATION NAME TO 73-81 MAY MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	SLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
n a Y	0-02												
- <del></del> -,	33-05		. 4				.4	· · · · · · · · · · · · · · · · · · ·					252
	6-08	.4	• ć				. 6						763
	.9-11		• ?				• 3				•2	•2	907
	12-14	• 1	• 7				.7				. 3	• 3	907
	15-17	• 7	• 7				. 7				.5	•5	834
	10-2.	2.4	2.1				2.1				• 1	•1	716
	1-23	• 3	2.1			<del></del>	2.1				 <del> </del>		387
						· · · · · · · · · · · · · · · · · · ·					<del></del>		
<del></del>									ļ				
TOTALS	<u> </u>	. 6	1.0				1.3		<u> </u>	]	•2	.2	4766

USAPETAC RUY 64 0-10-5(QL A), REVIOUS EDMONS OF THIS FORM ARE OSSOLETE



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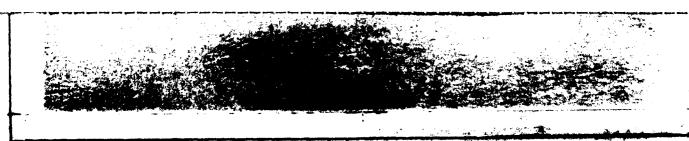
# **WEATHER CONDITIONS**

69-70,73-80

#### PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
Juk	J <b>0-</b> 02												
	3-05												254
	<b>36−</b> 08												773
	9-11	• 3	•1				•1				• 1	.1	899
	12-14	. 4	• 4				.4						980
	15-17	.4	•2				•2		<u> </u>		• 2	• 2	E 29
	13-2	1.4	4.0				1.0				1.0	1.5	698
	1-23		• ?				• 2						401
								·			·		
									ļ		·		
  - <u></u>									ļ				
									ļ				
TOTALS		.4	. 3				• 3			 	• 2	.2	4754

USAPETAC RALY 64 0-10-5(QL A), PREVIOUS EDMONS OF THIS FORM ARE OM



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## **WEATHER CONDITIONS**

ILLIAMS AFB AZ
STATION NAME

69-70,73-80

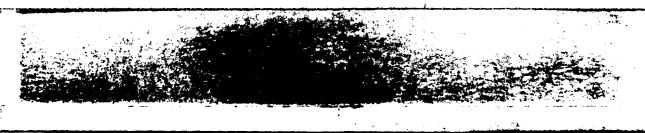
JUL

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUL	0-02												
	U3-15	•8	1.1				1.1	· · · · · · · · · · · · · · · · · · ·					261
	6-13		•6				•6						784
	39-11		• 4				.4						954
	12-14	• 2	• 3				• 3						906
	15-17	1.4	• 5				•5	·			.8	.8	541
	18-2	4.2	3.3				3.3				2.2	2.2	718
	1-23	2.2	2.0				2.0				. 5	.5	405
TOTALS		1.3	1.2				1.2	_			• 5	•5	4819

USAPETAC POIM 0-10-5(OL A), PREVIOUS ROTTONS OF THIS FORM ARE ORNOLETE



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# **WEATHER CONDITIONS**

STATION

ATLLIAMS AFB AZ
STATION NAME

69-70,73-80

A U.S.

PETCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
) LA	0-02												
ļ	.3-05	.4	• 4				.4						266
	36-08	. 8	.8				-8						798
	59-11	.1											920
! !	12-14	.1	.4			ļ Ļ	.4	<u> </u>			· · · · · · · · · · · · · · · · · · ·		935
	15-17	.7	• 7				.7				•2	.2	2 <b>6</b> 0
	13-2:	2.6	1.7				1.7				1.7	1.7	721
	21-23	1.6	2.9				2.9				• 5	.5	378
	-												
							-						
TOTALS		.9	1.0				1.0				• 3	.3	4982

USAPETAC RAY 64 0-10-5(OL A), REVIOUS EDMONS OF THIS FORM ARE ORBIGIETE



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# **WEATHER CONDITIONS**

SEP STATION STATION NAME 69-70,73-80 SEP MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

HTMOM	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
د ( ر	30-32												
	. 3-05		2.1				2.1						243
····	5-13	• 4	2.5				2.6	• 7				.7	734
	9-11	. 7	2.1				2.1	.7	•1			.8	874
	12-14	• 3	1.0				1.3		• 1			-1	876
	15-17	.9	1.0				1.0		•1		.9	1.3	799
	18-2.	2.1	1.8		· · · · · ·		1.8				1.1	1.1	652
	21-23	.6	2.6				2.6				1.0	1.0	309
·													. <del></del>
	ļ				<del></del>								
TOTALS		. 7	1.9				1.9	• 2	• E		. 4	.7	4487

USAPETAC  $\frac{\text{PORM}}{\text{JULY 64}}$  0-10-5(QL A), PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

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# **WEATHER CONDITIONS**

STATION

69-79,73-80

OCT MONTH

ILLIAMS AFR AZ

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
361	00-02		i										
	. <b>3-</b> 65		1.2				1.2						₹52
	16-08	.3	1.6				1.6	1.0	.7		ļ . <u>_</u>	3.4	769
	(9-i1	.1	2.3				2.3	. 7	. 4			1.0	903
	12-14	•2	1.8				1.6	• 2				. 2	903
	25-17	.4	1.5			<u>.</u>	1.8				• 2	• 2	820
	18-2.	.7	1.2				1.2				• 1	.1	683
	1-23		• 3			<del> </del>	. 3						312
	<u> </u>			]									
ļ											· · · · · · · · · · · · · · · · · · ·		
													<del> </del>
TOTALS		• 2	1.5				1.5	• 3	• 2		•0	. 4	4639

USAPETAC PORM 0-10-5(QL A), PREVIOUS BOTTONS OF THIS POR

AL CLIMATOLOGY BRANCH FETAC LATHER SERVICE/MAC

# **WEATHER CONDITIONS**

USE WITH CAUTION BEE FIRST PAGE

NO V

STATION

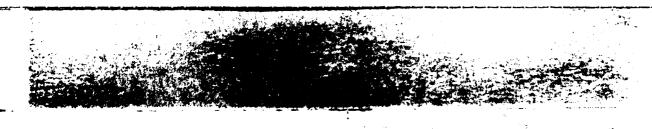
ILLIAMS AFB AZ

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NU I	0-02												
	.3-35		•8			<u> </u>	•8	• 3	1.2		•4	2.5	242
<del></del> ,	26-08		2 • 1				Z•i	1.4	1.5		•1	3.0	730
	29-11		1.3				1.8	1.1	2.2			3.3	857
	12-14		1.7	!			1.7	•5	2.6		•2	3.3	ę <b>5</b> 9
	15-17	•1		ļ	. — —		2.3	• 3	2.3		.4	2.5	785
	18-25		1.5				1.5		1.9		• 3	2.3	619
<del>-</del>	21-23	 	• 5				-8	1.2	2.4			3.6	247
TOTALS		• 0	1.6				1.6	3.	2.0		• 2	3.0	4339

USAPETAC ALY 64 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



TAL CLIMATOLOGY BRANCH . 110 EATH P SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# **WEATHER CONDITIONS**

4 STATION

ILLIAMS AFR AZ

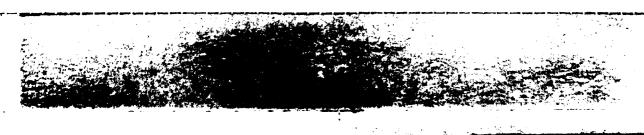
69-70,73-80

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
D1.C	0-02										·		
	. 3-05		1.8				1.8	1.4	•5			3.8	217
	6-03	• 1	3.5			<u></u> -	3.6	3.6	•7		• 1	4.5	693
·	.9- <u>:1</u>	• 1	2.9				2.9	2.5	2.4		•2	4.9	851
	12-14		2.3				2.3	1.6	2.9		·	4.2	853
	:5-17		2.4				2.4	. 4	2.4			2.8	737
	18-2.		1.4				1.4	.6	1.4			2.0	498
	1-23		.9				.9	. 4	•5			1.4	221
	<del> </del>												
TOTALS		3.	2.2				2.2	1.6	1.5		•6	3.1	4-70

USAPETAC POIM 0-10-5(QL A), PREVIOUS SOTTONE OF THIS FORM ARE OSSIGNETE



GIVENI CLIMATOLOGY BRANCH SF. TAC S STATHER SERVICE/MAC

# **WEATHER CONDITIONS**

4 - ILLIAMS AFB AZ
STATION STATION NAME

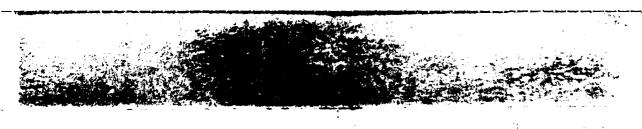
69-77,73-81

ALL

# PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
FAL	ALL	•1	3.9				3.9	1.6	• 8		• Li	2.3	4563
೯៤3		•1	3.4				3.4	• 5	- 3		•2	• 9	4233
SAR		•1	4.2		• <b>១</b>	•0	4 • C	• 2	•1		• 3	•6	4826
ap.		• 1	1.3				1.3	٠,			•2	• 2	4714
~A <b>Y</b>		.6	1.0				1.0				•2	• 2	4786
UCFI		. 4	• 3				•3				ءَ ٠	• 2	4754
ازال		1 • 3	1.2				1.2				• 5	• 5	4819
غرر ا		.9	1.0				1.0				•3	• 3	4882
		.7	1.9				1.9	• 2	_ • ঢ়		• 4	.7	4457
oct		• 2	1.5				1.5	• 3	• 2		• 5	. 4	4639
NOV		•0	1.6				1.6	• 8	2.0		• 2	3.↓	4339
O.C		ن .	2.2				2.2	1.6	1.5		•0	3.1	4370
TOTALS		• 4	1.9		• 0	•0	1.9	. 4	. 4		•2	1.0	55112

USAPETAC ALLY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE



#### PART A

#### ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949.
  Therefore, percentages in this column are restricted to the period Jan 1949 and later.
  - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
  - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.



GURAL CLIMATOLOGY BRANCH THEFTAC AT LEATHER SERVICE/MAC

#### ×× WEATHER CONDITIONS \*

ATMOSPHERIC PHENOMENA

2 ... 4 AILLIAMS AFB AZ
STATION NAME

YEARS

ALL

#### PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAI:	DAILY	• 6	16.9		• 1	. 2	15.5	5.1	2.4			6.8	1006
f E s		1.7	15.1			. 7	13.7	2.5	• 5		.1	2.6	918
MAR		2.0	15.1		• 2	• 3	13.7	1.6	3		• 1	2.0	1622
APF		2.0	10.6			3	9.6	• 6	• 3		• 2	1.6	989
H A Y		3.1	1.2			• 2	6.7		• 1		3	.4	1310
JUN		4 • 1	6.4			.2	6.1				•8	. 8	961
JUL		16.9	24.0			• 1	22.5	• 2	• 1		1.1	1.4	<b>47</b> 9
Α		15.6	22.2				20.8	• 6	• 1		2.0	1	99.
5:12		€.7	13.8			• 3	12.9	. 8	• 4		1.4	2.6	944
201		3.7	12.4			• 2	11.6	1.4	. 9		• 4	2.0	979
NOV		1.2	10.3				9.6	2.4	2.1			4.1	943
050		1.2			. 1	. 4	12.6	3.7	2.8			5.8	954
TOTALS		5.1			• n	• 2		1.5	.8		• 5	2.7	11691

USAFETAC  $\frac{\text{PORM}}{\text{JAY 64}}$  0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART B

#### PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and manual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATE	".00"	equals none	for t	the month	(hundredths)	
EXTREME DAILY SNOWFALL	".0"	equals none	for t	the month	(tenths)	
EXTREME DAILY SNOW DEPTH	"o"	equals none	for t	the month	(whole inches	)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

4 Values for means and standard deviations do not include measurements from incomplete months.



#### NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

#### Air Force Stations:

#### U. S. Navy and National Weather Service (USWB)

Beginning thru 1945	at 0800LST	Beginning thru Jun 52	at 0030GMT
Jan 46-May 57	at 1230GMT	Jul 52-May 57	at 1230@MT
Jun 57-present	at 1200GMT	Jun 57-present	E% 1.2000MT

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR \*EATHER SERVICE/MAC

# **DAILY AMOUNTS**

PERCENTAGE ERECUENCY OF

27104

WILLIAMS AFB AZ

STATION NAME

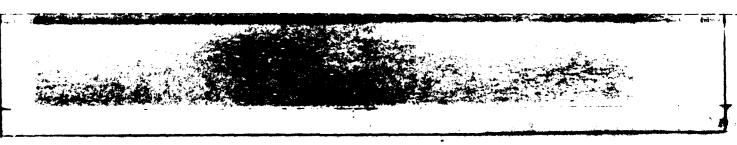
42-81

YEAR

						AM	OUNTS (II	NCHES)						PERCENT		MON	THLY AMO	DUNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.11+.25	.2650	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	TOTAL NO.		(INCHES)	
NOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5.4.4	4.5-6.4	6.5-10.4	10.3-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEASUR- ABLE	OF OSS.	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25-36	37.48	49-60	61-120	OVER 120	AMTS				<u> </u>
MAL	73.9	7.2	1.2	3.5	1.5	3.6	2.5	1.5	•1					13.9	1020	.77	3.01	•00
FEB	30.8	6.6	.7	2.9	2.4	3.0	2.0	1.3	•2					12.6	889	•65	3.16	RACE
MAR	52.1	6.0	. 9	1.6	2.4	3.1	2.3	1.2	• 3					11.8	996	-85	2.76	.00
APR	87.8	5.0	1.6	1.4	1.3	1.2	1.2	• 3	• 1					7.2	992	. 33	1.50	.00
MAY	92.3	4.7	. 4	1.1	.4	•6	• 5	• 1						3.0	1079	-11	.72	•00
JUN	93.9	3.6	.6	.8	• 1	•6	. 4							2.4	1023	.08	.67	• 60
JUL	71.6	15.5	1.5	3.8	2.4	2.6	1.5	1.0	•2					12.9	1051	• 75	2.87	.03
AUG	72.2	11.8	1.7	4.9	1.9	3.2	2.4	1.1	• 8	-1				16.1	1063	1.20	5.05	RACE
SEP	83.9	6.8	• 7	2.1	1.3	2.7	.7	1.2	•7					9.3	1013	.82	3.19	.00
ост	84.4	6.4	.4	2.2	1.3	2.8	1.2	1.3	• 1					9.2	1014	.49	3.78	.00
NOY	27.2	4.8	.7	1.9	• 9	1.5	1.7	• 9	• 3					8.D	984	.47	3.26	.00
DEC	63.6	4 . 3	1.5	2.7	2.0	2.6	2.1	1.0	. 3					12.1	1012	.63	4.34	•00
ANNUAL	83.2	6.9	1.3	2.4	1.5	2.3	1.5	• 9	• 3	•0				9.9	12136	7.15		$\searrow$

1210 WS JUL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETS



GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

# **EXTREME VALUES**

PRECIPITATION

(FROM DAILY OBSERVATIONS)

2 174 WILLIAMS AFB AZ
STATION NAME

42-81

VEARS

#### 24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42			*TRACE	1.18	.00	.00	.43	1.18	.21	.18	.00	.14	
43	. 44	•10	. 43	TRACE	TRACE	TRACE	. 16	.49	1.10	.13	.00	.54	1.10
44	.28	.56	.40	. 39	.65	.00	.24	.16	.65	.14	.43	• 55	• 65
45	•51	.08	. 45	TRACE	.00	.01	.10	.28	TRACE	<b>453</b>	.00	• 36	.53
46	.45	.08		.02	.00	.00	• 30	.31	1.74	.26	1.10	.53	
47	TRACE	. 49	TRACE	TRACE	.16	.00	•02	1.78	.97	.22	.15	•20	1.78
48	•00	•70	• 08	• 00	.00	TRACE	• 55	• 35	TRACE	.14	.00	.45	.70
49	. 42	.02	• 26	. 29	TRACE	.40	• 26	1.07	• 35	.08	. 34	.65	1.07
5.	•27	. 46	•07	•00	•02	TRACE	. 39	.66	.21	.00	TRACE	TRACE	.66
51	1.14	•11	• 33	•50	.04	.00	1.40	2.64	.12	.10	•52	.21	2.64
5.2	• 65	. 33	•38	.60	TRACE	.18	• 20	.07	.70		1.39	.33	1.39
5.3	• 22	.41	• 37	•02	TRACE	TRACE	1.75	.07	•00	TRACE	.19	.16	1.75
54	• 35	•53	1.03	•07	.17	.01	•60	.62	1.47	.03	TRACE	.03	1.47
5 <b>5</b>	.69	• 39	TRACE	TRACE	TRACE	.24	.88	1.36	.01	•03	.04	•31	1.36
<b>5</b> 6	• 73	• 22	• 20	.07	TRACE	TRACE	- 38	TRACE	TRACE	.12	•00	•02	.73
57	.47	• 25	•29	.14	.22	. 34	• 37	. 43	TRACE	.95	.03	-31	. 95
58	TRACE	•93	• 40	•22	TRACE	• 15	•12	.14	1.60	.15	.21	•00	1.60
59	. 22	• 65	TRACE	.09	TRACE	.02	• 20	1.19	.18	.83	.17	1.17	1.19
60	.94	• 36	•22	TRACE	TRACE	TRACE	.67	• 40	.17	• 36	TRACE	.07	. 94
61	* .00												
62						[						'	
63					TRACE	.00	• 05	.41	•12	.63	.62	•06	
64	.28	TRACE	• 20	TRACE	TRACE	.00	.97	• 30	1.22	.38	.65	* .43	1.22
65	• 47	.91	• 46	•53	.22	.21	• 09	.88			* .22		
6 <b>6</b>	* .04	.19				• .03		1			*TRACE		
67	* .16			*TRACE			.04		• .02				
68	* .14	. 34	TRACE	*TRACE	PTRACE	•	• 05			+ .20		11	
69	* •59				+ .48	•00		• 30		.13			
70	*TRACE			.05		.13+		•17	6	.56		0	+ 1.76
71	* .15	• .13	TRACE	• 30	PTRACE	•00	.19	1.34	* .88	• .52	• .03	+ .14	1.34
MEAN													
\$. D.													
TOTAL OBS		NATE				FUAN EU		17463					

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)



CLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

# EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

2 1"4 WILLIAMS AFB AZ
STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH		IAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
	*	•00	TRACE	•00	•00*	•02	.08*	.29	.75*	.12*	1.35	.56*	.70	* 1.35
	*	.18		.52	.02		.05*	.18	14*	.00*	.00	1	.00	<b>*</b> .61
74	*		TRACE	•73	TRACE		•00*	.95	.04*	.14*	.39	.05*	.32	* .95
75	*	.03	.88	.59	• 31	TRACE	.00	.88	.05	.60	.05	1.06	.46	* 1.06
76		.03	.78	.26	.92	• 35	.22	.39	.78	.56	.32	.31	.66	.92
77		.26	TRACE	.18	.01	.15	• 02	.06	.37*	.64*	.32	.15*	.69	* .69
78	*	.64	1.53	1.02	.47*		.27*	.95	.17*	.01+	.38		2.36	* 2.36
79	*	.61	. 15	-88	.13*	. 34	•01*	.12	1.12	.02+	.13		.13	1.12
80	*	.43	.50	.61	·23*	.26	TRACE .	• 36	.07*	.26*	.18		.13	.61
P 1	*	.61	* 1.19	.77	.27*	.08	1	1	-				i	
MEAN		.401	.389	• 386	.237	.079	.069	.458	.591	•521	.253	•270	•328	1,19
S. D.		298	.319	.321	.284	.153	.113	.433	-588	.565	.261	374	.286	.529

USAF ETAC 0-86-5 (OL A) GLGBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

MONTHLY PRECIPITATION

(FROM DAILY OBSERVATIONS)

2 174 WILLIAMS AFB AZ
STATION STATION NAME

42-81

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
42			TRACE	1.29	.00	.00	1.11	1.94	.43	.31	•00	.23	
43	.71	.10	•51	TRACE	TRACE		.16	1.08	2.06	.14	.00	1.03	5.79
u <b>4</b> ,	.28	1.71	1.12	•51	.68	•00	• 46	• 30	. 65	•26	•96	•60	7.53
45	.87	.19	1.03	TRACE	•00	.01	.19	• 58	TRACE	.58	•00	.56	4.01
46	.88			•05	•00	• 00	.48	1.15	3.19	• 39	1.56	.59	
47	TRACE	.77	TRACE	TRACE	•16	•00	•03	4.11	1.00	• 38	• 33	.68	7.46
48	• 00	1.36	.12	• 00	.00		•55	.65	TRACE	.14	•00	.66	3.48
49	1.18	.05	. 34	• 29	TRACE	.67	• 33	1.07	•62	.14	.64	1.48	6.81
53	•60	.88	.13	•00	•02	TRACE	.51	.66	.71	.00		TRACE	3.51
51	1.62	•13	.41	1.50	• 04	.00	1.51	5.05	.12	.16	.63	.65	11.82
52	• 90	. 37	1.35	1.19	TRACE	.18	. 44	.16	.70	•00	3.26.	.60	9.15
5.3	• 30	•53	. 54	•03	TRACE	TRACE	2.20	.21	.00	TRACE	.19	.16	4.16
54	.77	.97	1.47	•07	.17	.02	1.09	1.70	2.12	•03	TRACE	.05	8.46
5 <b>5</b>	2.28	.10	TRACE	TRACE	TRACE	.27	2.87	2.95	.01	.05	.08	.32	8.93
56	1.08	.75	• 20	.14	TRACE	TRACE	.51	TRACE	TRACE	.28	.00	•02	2.78
57	1.72	• 36	.68	•15	• 48	.34	.80	•58	TRACE	3.78	•04	.42	9.35
58	TRACE	1.16	1.37	•67	TRACE	.18	•17	.30	3.10	.19	.26	•10	7.40
59	.24	1.05	TRACE	• 09	TRACE	.02	• 37	2.73	• 20	1.76	.24	4.34	11.04
60	1.67	.13	• 22	TRACE	TRACE	TRACE	1.02	.92	.17	1.08	TRACE	.10	5.31
61	* • • • •					ll							
62													
63	ļ		}		TRACE	00	•05	1.32	•15	.76	1.46	.06	
64	• 33	TRACE	.43	TRACE	TRACE	•00	1.55	1.32	1.64	•57	.80		* 7.37
65	1.04	1.11	.89	1.18	•22	.21	.16	.90	<b>• .32</b>		• .35	1.16	
66	* .D8	• 36	.04			.04	.09	. 03	• 75	TRACE	TRACE	.03	
67	* .16		* .57	TRACE	TRACE	<b>i</b>	.04	. 04	.02	.07	• .03	1.21	
68	* .14	.45	TRACE	TRACE	TRACE		.08	• 15		.20	1.00		
69	* 1.49				• •53	.00	. 44	.76	1.17	.23	. 75	. 59	
70	*TRACE	. 26	2.60	.06	.00	.13	.30	.19		.61			* 7.26
71	* • 15	.24	TRACE	• 30	PTRACE	.00	• 52	4.15	2.06	1.41	. 03	. 34	* 9.20
MEAN													
5. D.													
TOTAL OBS													

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 64 0-88-5 (OL A



GLURAL CLIMATOLOGY BRANCH US AFETAC AIR MEATHER SERVICE/MAC

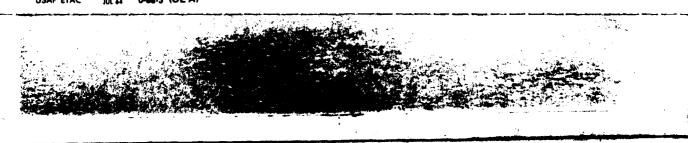
(FROM DAILY OBSERVATIONS)

2 1 4 WILLIAMS AFB AZ
STATION STATION NAME

#### TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
72	* .00	*TRACE	.00	.00	.02	.13*	.33	1.61*	.22+	3.57	99*	1.40	# 8.27
73		* 2.30	2.76	. ∷2	.01	.05*	.23	.18*	.00	.00	81*	.00	+ 6.70
74	* 1.25	*TRACE	1.50	TRACE	TRACE	•00*	2.11	.05*	. 34	1.27	.05*	.53	+ 7.10
75	* • 03	1.37	1.59	.96	TRACE	.00	1.58	.08	.63	.08	1.39	.62	* 8.33
76	• 03	1.23	. 26	1.24	•72	.22	.43	1.74	1.35	.40	.33	.69	8.64
77	•40	TRACE	•53	.01	.19	•02	•07	.41*	1.00*			.88	* 4.29
78	* 3.01	* 3.16	2.27	.57	.04	.28*	.96	.40*	.01*	1.10	1.88	3.91	*17.59
79	* 2.56	* .26	1.90	.13		.01*	.21	1.31*	.02*	.13	.45*	.18	* 7.67
83	* 1.83	* 2.13	.99	•25	• •30	TRACE*	.51	.11*	.49	.18	• 00	.14	* 6.93
81	* .65	* 1.29	1.23	.30	× .17								
MEAN	.768		. 846	•333	.107	.081		1.196	.820	.493	.471	•630	6.979
S. D.	.637		.797	.446	.210	.145	.721	1.263	.979	.790	.764	.907	2.686
TOTAL OBS	1020	889	996	992	1079	1023	1051	1063	1013	1014	984	1012	12136

0-88-5 (OL A) USAF ETAC



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

# **DAILY AMOUNTS**

PERCENTAGE FREQUENCY OF (FROM DAILY OBSERVATIONS)

23164

WILLIAMS AFB AZ

46-81

STATION

STATION NAME

YEAR

AMOUNTS (INCHES)														PERCENT		MONT	HLY AMO	ILY AMOUNTS	
PRECIP. NONE	NONE	TRACE	.01	.0205	.0610	.1125	.2650	.51-1-00	1.01 - 2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	TOTAL NO.	(INCHES)			
NOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEASUR-	E OBS.	MEAN	OREATEST	LEAST	
SNOW- DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-46	49-60	61-120	OVER 120	AMTS					
JAN	170.0						!								926	.0	•0	•0	
FEB	100.0														798	•0	•0	• 3	
MAR	99.8	• 1	• 1							<u> </u>				•1	868	RACE	•2	•0	
APR	0.0														870	.0	•0	· 0	
MAY	100.0						ļ ———						<u> </u>		951	.0	•0	•0	
JUN	20.0														900	.0	•C	•0	
JUL	100.0								<b>†</b>						920	•0	•0	•0	
AUG	100.0						<b></b>					<u> </u>			930	•0	•0	.0	
Ser	100.0					<del>-, -</del>	<u> </u>					ļ	ļ		890	•0	•0	•0	
ОСТ	100.0								<del>                                     </del>						886	•0	•0	•0	
NOV	10.0									<u> </u>					855	•0	•0	•0	
DEC	160.0						<u> </u>		<del>                                     </del>						885	.0	•0	•0	
MNUAL	100.0	•0	• 0						<del> </del>			<del> </del> -	<del> </del>	•0	10679	.0			

1210 WS JUL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OSSOLET



CLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

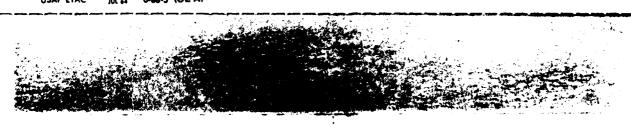
2 104 WILLIAMS AFB AZ
STATION STATION NAME

#### 24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTH	ıs
46	• 0	* .0		• 0	•0	• 0	•0	•0	• 0	• 0	.0	•0		
47	•0	.0	.0	.0	• 0	• 0	• 0	• 0	• 0	• 0	.0	• 0		.0
48	• 0	•0	.0	.0	•0	• 0	•0	.0	•0	• 0	•0	•0	<u>}</u>	• 0
49	• J	.0	•0	.0	•0	• 0	•0	.0	•0	•0	.0			. C
<b>5</b> 0	0.	• 0	•0	•0	• 0	• 0	•0	.0	•0	• 0	• C	• 3		• ?
51	• ℃	•0	•0	.0	• 0	• 0	•0	.0	•0	• 0	.0	.0		•0
52	• 0	• 0	.0	.0	• 0	• 0	•0	.0	• 8	• 0	•0	•0		• D
53	0	•0	• 0	.0	• 0	. 0	.0	• 0	• 0	• 0	.0	.0		.0
54	د •	•0	• 0	.0	• 0	• 0	.0	•0	• 0	• 0	.0	• 0		.0
5 <b>5</b>	• 0	• 0	.0	.0	.0	• 0	•0	•0	• 0	• 0	.0	•0		• 7
56	• ₽	• 0	•0	٠٥	• 0	• 0	• 3	• 0	•0	• 0	• 0	•0		• 0
57	• 0	• 0	•0	• 0	• 0	• 0	•0	• 0	• 0	. 0	•0	•0		.0
5 â	• :	•0	•0	.0	• 0	.0	•0	• 0	•0	.0	•0	• 0		• 0
59		.0	.0	•0	• 0	• 0	.0	• 0	•0	•0	•0	• 0		•0
6J	• C	.0	•0	• 0	• 0	• 0	• 0	• 0	• 0	•0	•0	•0		• 0
61	* •0													
62				ľ			Í							
63					•0	• 0	٥.	• 0	•0	.0	.0	•0		
64	• -	•0	•0	• 0	• 0	• 0	.0	• 0	• 0	.0	• 0	• • •	*	•0
65	• 3	•0	•0	• 0	• 0	• 0	.0	• 0	• 0					
6 <b>6</b>			{			}			ļ					
67														
68				[	)							• •0		
69	* • 0				• • • •	• 0	. 0	• 0		.0				
70	* • O	1	• 0	.0	• 0	.0		• 0	1	• 0	0		*	• 0
71	* • 0		•0	•0	• 0	.0	. 0	•0			• •0		*	.0
72	* • 3	1	•0	• 0	• 0	.0		• 0			ľ		*	
73	* •0		•0	.0	• 0	• 0	0	•0						• 0
74	* • J		• 0	• 0	• 0	.0	. 0	• 0	-		.0	- 1	*	.0
	* • 0	•0	•2	.0	• 0	.0	.0	•0	•0	.0	• • 0	• 0		• 2
MEAN														
\$. D.	·												L	
TOTAL OBS		NOTE		PED ON	1.666	PHAM E		TUEL			1			

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC



GUJBAL CLIMATOLOGY BRANCH L-AFETAC ATT REATHER SERVICE/MAC

## EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

2 104 BILLIAMS AFB AZ STATION NAME

46-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH!	JAN	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
76 77	• )	.0	TRACE	•0	.0	•0	• 0	•0	•0	• 0	.0	•0	TRACE
73	* 3+	• 0	•0	.0*	• 0	• C *	• 0	•0*	•0	• 0 •	•0*	.0	* .0
	<u>*</u>	• 0		• 0 *	• 0	.0#	• 0,	•0	•0	• D*	•0*	.0	* •0 * •0
	* ,0k	• 0	•0	• 0	• 0	• O*	• 0,	• 8 *	• 0	•0•	. 0 *	• 0	* •[
81	* • ', *	•0		<u>. ⊇</u> #	• <u>0</u> ,								
	i E	!						!		1		ļ	
			•	*									
	<del>-</del>		+	+	•	+-		<del></del>					
į	j	i		1					ĺ	j			
				1		- •							
				<del></del>				<del></del>					
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+				+ -									
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i L								Ì			1		
			· <del>-</del>	:								-	
		+	·	+	+			+					
1													
	Ī	<del></del>		;	Ī		T	T					
			<b></b>		+	+	+	<del></del>					
MEAN	•10	. 20	.01	• 30	.00	.00	.00	•00	.00	•00	•00	•00	TRAC
\$ D	.000	.000	.037	.000	.000	.000	.000	.000	.000	•000	.000	•000	•00
TOTAL OBS	926	798	868	870	951	900	920	930	890	886	855	885	1067

USAF ETAC FORM 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

2 104 WILLIAMS AFB AZ
STATION STATION NAME

-81\_\_\_\_

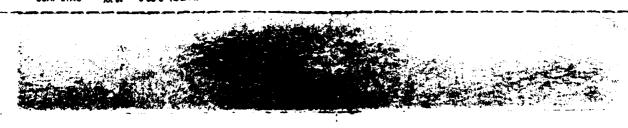
YEARS

#### TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
46	• 0	• .0	i	•0	•0	• 0	•0	•0	•0	• 0	• 0	.0	
47	•!		• 0	.0	• 0	. 0	.0	•0	.0	.0	• 0	• 0	
48	• S	•0	• 0	• 0	• 0	• 0	• 0	• 0	.0	.0	• 0	• 0	,
49	• 0	.0]	• 0	.0	.0	• 0	• D	.0	.0	.0	• 0	.0	
5 J	• 0	۵.	• 0	• 0	• 0	• 0	• 0	• 0	•0	•0	• 0	• 0	
51		.0	٥.	.0	.0	• 0	.0	• 0	.0	• 0	• 0	• 0	
52	• 3	•0	• 0	• 0	.0	• 0	• 0	• 0	•0	.0	•0	• 0	}
53	• 0	.0	• 0	• 0	•0	• 0	.0	.0	.0	.0	. 0	.0	L
54	• 3	.0	•0	• 0	• 0	• 0	.0	• 0	۵.	.0	• 0	.0	
5 <b>5</b>	• 0	۵.	• C	.0	•0	٥.	.0	• 0	• 0	• 0	• 0	• 0	
56	• 3	•0	• 0	• 0	.0	• 0	• 0	• 0	•0	• 0	• 0	• 0	
57	• 3	•0	• 0	• 0	• 0	<u> </u>	• 0	• 0	.0	• 0	•0	•0	
58	• 0	.0	• 0	• 0	• 0	• 0	• 0	•0	.0	.0	.0	.0	
59	ا ف•	•0	• 0	• 0	• 0	• 0		.0	.0	.0	• 0	•0	
60	• 0	.0	• 0	• 0	• 0	. 0	• 0	• 0	• 0	• 0	• 0	• 0	
61	* .0	_1			i								
62													
63				1	• 0	. 0	.0	• 0	•0	• 0	.0	• 0	
64	• J	•0	• 0	• 0	• 0	• 0	• 0	• 0	• 0	. 0	. 0	. 0	*
65	• 3	• 0	.0	.0	٠.0	٥.	• 0	۵۰	.0				
66													
67													
68											•	• 0	
69	* •0	1			• 0	• 0	* •0	• 0	* .0	.0	.0	0	
70	* • 0	* .0	• 0	• 0	• • 0	• 0	* •0	•0	.0	.0			
71	<b>*</b> • 3	.0	• 0	ان	• • •	• 0	* •0	•0	* .D	• 0	• 0	. 0	*
72	* .0	.0	•0	• 0	· .0	• 0	* •0	•	• 0	• 0		. 0	*
73	* •0	. 0	• 0	.0	• •0	• 0	* .O	.0	• 0	0			*
74	* •0	• •0	•0	•0	• •0	• 0	1	•0		.0	• 0 •		*
75	<b>*</b> .8	.0	•2	•0	•0	• 0	•0	.0	.0	.0	• D	.0	*
MEAN													
S. D.													
TOTAL OBS													

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)



GLIBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME XALUES

HOMINE! SHOW! KE

(FROM DAM'S OBSERVATIONS)

2 1 1 4 WILLIAMS AFB AZ STATION NAME

81

#### TOTAL MONTHLY SNOWFALL IN INCHES

HTOM	JAN,		FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
76	•	5	•0.	TRACE,	•0	•0	• 0	.0	•0	• 0	• 0	•0	•0	TRACE
77	•	0į	• 0	• 3	. 0	• 0	• 0	.0	• 0 *	•0				* .0
76	* .	<b>3</b> ≠	• 0	• 0	• 0	• 0	• 0 •	.0	• 0 •	• D +	.0	• •0	* .D	* •(
79	* .	J#	• 0	• 0	. 0	• 0	• 0 *	. 0	• 0 •	• 0 *	. 0	• <u>•</u> 0	<b>*</b> .0	* • (
80	* .	0#	• 0	•0	• D#	• 0	• 0 *	. 0	• 0 *	• 0 +	.0	. 0	<b>*</b> • 0	+ .0
81	* •	<b>3</b> #	• 0	• 0	. 0 .	• •0								<del></del>
		1	[			i								
		1												
		+								+				
		+	<del></del>							+				
		-												<del></del>
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						1	}							
		-+-												<del>-</del>
		+			+	+								
		$\perp$												<del></del>
		$\perp$												
MEAN	• 0		• 00	.01	.00	•00	.00	.00	.00	.00	.00	•00		TRACE
\$. D.	• û0		.000	.037	•000	.000	.000	.000	.000	.000	.000	•000		•000
TOTAL OBS	92		798	858	870	951	900	920	930	890	886	855	885	10679

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **DAILY AMOUNTS**

PERCENTINGE BREQUENCY OF (FROM DAILY OBSERVATIONS)

2:104 STATION WILLIAMS AFB AZ

AZ 42-81

YEARS

AMOUNTS (INCHES) MONTHLY AMOUNTS (INCHES) TOTAL OF DAYS PRECIP. NONE TRACE .01 .02-.05 .06-.10 .11-.25 .26 - .50 .51-1.00 1.01-2.50 2.51-5.00 5.01-10.00 10.01-20.00 OVER 20.00 NO. OF MEASUR ABLE 10.5-15.4 NOWFALL NONE TRACE 0.1-0.4 0.5-1.4 1.5-2.4 2.5-3.4 3.5.4.4 4.5-6.4 6.5-10.4 15.5-25.4 25.5-50.4 OVER 50.4 OBS. OVER 120 1176 7.0 JAN heo.o 1052 FEB 100.0 1194 10.0 1179 1.0.0 1217 1159 100.0 00.0 1184 JUL 100.0 1202 AUG 100.0 1145 h : 0 . 0 1188 100.0 1135 100.0 1149 ANNUAL TEO.D 13980

1210 WS NIL 44 0-15-5 (OLI)

PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

GLOSAL CLIMATOLOGY BRANCH LIAFETAC ATT WEATHER SERVICE/MAC

### **EXTREME VALUES**

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

2 104 WILLIAMS AFB AZ
STATION STATION NAME

#### DAILY SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
42			0	ũ	0	0.	0	0	0	0	0	0	
43	3	0	. 0	a	٥	o!	O	0	۵	0	0	_ 0	54 [] <b>1</b>
44	J	0	ם	0	0	0,	0	0	0	0	0	0	
45	; 3	0	0	a	٥	a	اد	٥	٥	0	اه	C	
46	)	* D		0	0	0	0	0	0	0	0.	۵	
47	0	0		۵	0	اه	o	0	0		0	0	
48	0	0	۵	O	2	٥	٥	C	0	Ö	0	0	
49	c	0	0	O	۵		0	0	G	0	0	ე	
50	Ü	0	0	0	۵	О	٥	0	٥	כ	0	Û	
51	ز	٥	ם	0	0	0	0	0	0	٥	0	ე	
52	٥	0	0	0	۵	٥	0	0	0	0	0	٥	
5.3	្រ	0		٥	0	0	اه	٥	0	ا ت	G,	0	
54	1	0	a	ū	0	O	0	0	0	0	0	0	
5 <b>5</b>	ن ا	0	0	اه	اد	0	0	ַם	0	0	0	0	
56	)	0	0	a	0	0	٥	0	0	0	0	0	
57	0	a	0	0	اه ا	0	0	0	0	0	<u> </u>	0	
<b>5</b> 8	3	0	0	0	0	0	0	0	G	3	0	0	}
59		0		a	۵	٥	0	٥	_0	[ع	0	0	<u> </u>
63	J	0	D	0	0	0	J	0	0	0	0	0	
61	L	* 0	1 = = = 1	0	0.4			* 0			<u> 0</u>	5	*
62	<b>*</b> 0	* O	* O	0*	0	0	• 0	* O	* 0	* 0	· 0	0	*
63	<b>*</b> 0	<b>*</b> 0	<b>+</b> 0	ַוֹם	0	0	0	0	0	0	0	_ 0	
64		0	0	a	0	٥	۵	מ	D	0	0	. 0	*
65	ງ	0	0	0	0	٥		0	0	0	<b>C</b>	. 0	*
66	* )	* 0	0	0	0	0	<b>•</b> 0	O	* O	0	<b>•</b> 0 •	ַ ט	*
67	<b>*</b> 3	<b>*</b> 0	0	0	. 0	0	<b>0</b>	0	* 0	0	F 0		*
68	* 0	* 0	0	0	- 0	0	. 0	0	* 0	0	0	. 0	*
69	* 0	1				<u>0</u>		0		0			*
<b>7</b> 0	* 0	* O	1 9	0	0	0	<b>b</b> 0	0	*	0	* O	: 0	*
71	* J	* O	0	ان	. 0	0	<b>2</b> 0	0	<b>*</b> 0	• 0	<b>C</b>	0	*
MEAN													
S. D.													
TOTAL OBS													

NOTE + (BASED ON LESS THAN FULL MONTHS)

FC\*M JUL 64 0-88-5 (OL A) USAF ETAC

7

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **EXTREME VALUES**

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

2 104 wILLIAMS AFB AZ STATION NAME

42-81

YEARS

#### DAILY SNOW DEPTH IN INCHES

MONTH YEAR	JAN,		FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
72	*	0 *	0	Ο,	J*	0	D ×	. 0	C,	* C	* C	* 0*	٤ ن	*
73	*	<b>)</b> *	0	J	_O <b>≯</b>	. 0	0	. 0	0	<b>*</b> 0	* C	* D=		*
74	*	)≠	0	3	• 6	- 1	S ×	· 0	C	<b>•</b> 0	* O		ະ ວ	*
7.5	*	0	0	0	ַ	0	0	٥	G				0	
76			ū	0	0	0	0	ا۵	0		1		οį	
7 <b>7</b>		1	0	C	0	0	0	0	01		* 0			*
78	*	]*	C	o o	C) *		G ×	1	Ob		1 .	-:	- 1	*
79	*	;)∗	C;	0	0 *		0 *		<u>C</u>		* 0			*
90 91	*	]*	0	0	<b>0</b> ≠	1	G *	• 0	C	<b>•</b> 0	* D	<b>+</b> 04	<b>C</b>	*
MEAN			•0	•0	•0	• 0	.0	• 0	•0	•0	• 0	•0	• 0	
S. D.	• 8 3	0	.000	.000	.000	.000	000	.000	.000	.000		.000	.000	.0
TOTAL OBS	117		1052	1194	1179	1217	1159	1184	1202	1145		1135	1149	139

NOTE \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 64 0-88-5 (OL A)

73

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### PART C

#### SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

Extreme Values - Peak Custs: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

\*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

GLUPAL CLIMATOLOGY BRANCH UNAFETAC All WEATHER SERVICE/MAC

### **EXTREME VALUES**

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

2 1.4 \*ILLIAMS AFB AZ

STATION STATION NAME

46-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH	JAL	4.	FI	EB.	м	AR.	A	PR.	٨	MAY	UL	N.	JL	JL.	AL	JG.	SE	Р.	00	it.	NC	ov.	E	EC.	ALL MONTH	15
46	ESE	32	NW	<b>*</b> 36	!		SĒ	42	H	*29					ENE	<b>*</b> 64			SSW	19			NE	24		
47	N ac	33	WSW	31	<b>S</b>	26	5 W	30	ESE	42	SE	30	SSE	4.0	N	42	Sw.	36	<u>s</u>	23	<u> </u>	24	SSE	35	ESE	_42
43	S w	24	MNN	36	H	29	MNM	34	SW	22	E	41	SSE	47	ENE	49	SSE	42	E SE	32	NNE	26	NW	*27	ENE	49
4 ŷ	S * *	34	S ₩	19	WSW	46	ENE	31		36	NE	37	E	35	SE	35	SSW	45	S SW	31	NN.	23	S	33	WSW	46
5 u	WSW*	25	ESE	23	MNW	<b>*35</b>	HNH	20	SSW	27	SE	27	ENE	35	E	<b>*36</b>	NNE:	* 38	SE 4	126	NNE	*31	W	23	NNE	*38
51	WNW*	26	ESE	26	5 W	31	¥	35	N	28	W	23	SW	34	Ε	35	SE	17	5 N	26	Ε	28	5	31		35
52	W	40	W	24	SW	32	S₩	42	NNH	28	S	31	SE	45	NE	38	SSE	37	S SW	11	S	27	S	22	SE	45
53	NW	29	W	32	SW	28	SSW	34	MNM	29	5 W	30	SSE	40	<u> </u>	42	SSE	33	S SE	36	ESE	39	HNI	51	MNW	5 1
54	ESE	30	E	28	SSW	40	5 S W	38	S	44	SE	37	SSE	54	\$E	51	SSE	45	SE	31	SSW	33	H	33	SSE	54
5 <b>5</b>	ESE	31	MNM	40	W	36	W	40	55¥	33	SE	29	SE	54	Ē	50	SSE	34	NE.	29	NNE	31	HNE	35	SE	54
56	NNW	30	K	32	MNW	40	SSE	39	SSW	30	S	29	ESE	43	ESE	40	HSW	34	SSE	33	N N	26	ENE	26	MNM	4 (
57	SSE	25	SE	38	SE	38	N	31	SE	39	ŞE	38	SΕ	50	<b>S</b>	34	SE.	*23	E SE	30	ENE	*29	ESE	20	SE	50
5 č	MVM	28	N W	35	SSW	32	SSE	37	NNE	35	MNM	27	ESE	23	SSE	50	H	64	E	25	SSE	30	NE	16	W	64
59	WNW	24	5 W	41	ESE	30	N	34	NNE	33	<b>S</b>	32	NNW	51	Ε	50	ESE	20	NE_	33	ESE	23	SE	36	_ NNW	51
5 ü	Nw	20	W	32	SSW	24	S	35	WSW	27	ENE	30	Ε	43	SSE	51	W	37	W N W	30	MSW	32	ENE	2.3	SSE	5 1
61	NE 4	18	N _	<b>*27</b>	SW	<b>*29</b>			L		]		l				<u> </u>									
62		_																								
63					1				ESE	25	SW	33	NE_	35	ENE	42	N	44	W SW	33	S N	28	551	25	Ĭ	
64	SSE	28	N	31	S	35	SSE	34	MNW	29	E	44	NE	39	N	40	SE	41	\$	33	MSW	32	MSI	*31	E	44
65	WNW	32	5 W	38	SSW	35	Sw _	*37	SW_	35	SSW	43	NNE	39	S	33	5	34	SSW	27	WNW	*22	SΕ	*30	SSW	43
66	E *	28	SW	27	W	34	SW	40	SSW	30	SSW	27	E	<b>*29</b>	S	49	NNW	43	W	28	5	30	8	*25	S	49
67	S *	27	NNE	30	NW	29	S	33	s	33	5	31	SE	*46	Ε.	48	SE	31	ENE	32	SSW	38	<b>s</b> _	*40	Ε	4.8
68	NNE	32	ESE	21	NW	27	SE	31	SSW	29	SSW	35	7/	37	4/	57	201	35	24/	40	24*	31	28/	30	4/	57
59	33/	35	27/	42	21/	41	21/	34	19/	36	20/	34	21/	37	9/	38	30/	54	15*	27	19*	36	24	12	30/	54
70	1/	31	8/	41	19/	39	29/	36	12/	33	4/	46	26/	58	61	71	16/	47	10/	46	9/	29	19/	30	6/	
71	25/	25	29/	46	29/	38	22/	33	3/	44	22/	25	15/	47	11/	61	14/	60	2 3/	38	11/	24	244		11/	
72	30/	24	36/	22	25/	21	29/	31	36/	26	16/	31	34/	37	6/	49	15/	29	17/	28	28/	33	201	38	6/	
73	24/	28	20/	28	22/	32	28/	34	36/	32	36/	30	9/	34	22/	33	27/	20	18/	25	27/	20	91	20	28/	34
74	19/	37	32/	37	20/	23	29/		20/		20/		22/		13/	28	12/		15/		24/		344		22/	
75	7/	26	28/	32	29/	33	33/	30	22/	37	22/	28	22/	38	11/	34	33/			39	19/					
MEAN										شنت				-												
S. D.																										
TOTAL OBS																							_			

NOTES \* (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 64 0-88-5 (OLA) (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



737

GLOBAL CLIMATOLOGY BRANCH STETAC ATR WEATHER SERVICE/MAC

## **EXTREME VALUES**

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

2 1 1 4 WILLIAMS AFB AZ
STATION STATION NAME

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	i	FE	8.	M	AR.	AF	PR.	МА	Y	JUL	N.	JU	L.	AU	G.	SE	Р.	oc	τ.	NO	٧.	DE	c.	ALL	15
76	36/	31	20/	30	26/	38	19/	43	17/	48	12/	42	4/	42	7/	45	3/	38	15/	34	8/	24	9/	23	17/	4
77	26/	25	29/	30	29/	34	21/	31	18/	36	27/	50	12/	36	29/	40	10/	34	19/	27	33/	24	8 *	26	27/	5
<b>7</b> 8	29/	35	21/	31	19/	33	20/	29	24/	40	11/	39	15/	70	33/	53	20/	25	21/	37	17/	32	31*	24	15/	7
79	31/	34	17/	28	25/	38	1/	40	20/	37	13/	33	14/	32	18/	37	33/	48	1/	35	22/	30	8 *	22	33/	4:
80	18/	37	20/	40	32/	40	29/	42	20/	38	13/	74	12/	43	3/	42	61	41	2 3/	38	30/	30	8/	25	13/	7
81	10/	23	18/	31	21/	43	21*	40	17/	45										-						<u>-</u>
					-																					
						-															<u></u>					
		1																								
					[ 																					
													· 													
	: 																									
																	-									
MEAN	29	_		. 9		3 . 7		. 5		. 9	34	. 7	42	2.1	44	• 1	38	.0	31	.2	28	.6	_ 28	3.3		2.
5. D.	4.8				6.0	16 Z	5.0	145	6.2	87	9.7	90	9.1		9.3	29									11,0	08
TOTAL OBS	99	96		23		107		80	LES	10		50		74		89	9	25	9	55	9	14	9	43	11	56

OMS (OLA) (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)



120.0

GLUZAL CLIMATOLOGY BRANCH LYMPETAC A 4EATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

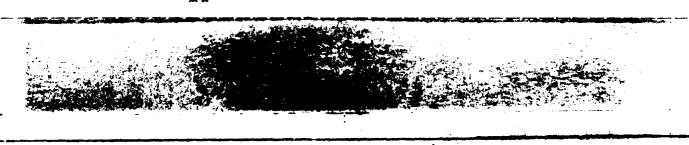
USE WITH CAUTION
SEE FIRST PAGE

BTATION	STATION NAME	70.73-81 YEARS	MONTH
	ALL ¥	FATHER	0300-0500 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3											1.3	2.3
NNE	.4	9		. 4	. 4							2.1	9.2
NE	2.6	2.1	. 4						I			5.1	3.6
ENE		3.4	4							L		6.8	3.8
E	3.8	24.3	1.7									35.7	4.3
ESE	5_	7.2	2.6						L			15.3	4.4
SE	2.£	3.0	9									5.4	4.2
SSE	9	2.1										3.6	3.0
5		1.3	4									2.1	4.6
SSW		4							<u> </u>	L			4.0
\$W	- 3	- 4										1.3	2.7
wsw													10.0
w	- 4	- 4							Ĺ			و	4.0
WNW								L		<u> </u>			
NW						L							3.0
NNW													7.0
VAREL													
CALM	$\geq \leq$	$\times$	$\times$	$\geq \!$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq \leq$	$\geq \leq$	$\geq \leq$	18.3	
	28.1	45 E	7 0		,							130.0	7.5

TOTAL NUMBER OF OBSERVATIONS



GLUBAL CLIMATOLOGY BRANCH CAFETAC
AT WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ATLLIAMS AFR AZ	70,73-81 YEARS	JA*i MONTH
		CLASE	<u> 1600 - (1800 -</u> HOURS (L.S.T.)
	Cc	NOITION	

SPEED (KN7S) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	5											5_	2.3
NNE	5	. 7	9				L					2.1	5.9
NE	1.6	1.7	1		L							3.4	3.5
ENE	3.5	3.5	. 4							]		7.5	3.6
E	10.2	18.8	2.9	• 1								32.1	4.2
ESE	6.4	9.2	3.5									19.2	4.6
SE	3.2	3.8	. 8	• 1								7.9	4.1
SSE	1.3	. 7	.1					T				2.6	_ 3.2
5	1.1	. 1										1.2	2.6
SSW		. 9									1	. 9	4.4
SW	- 1	• 5	. 4					<u> </u>	T			1.1	6.1
WSW	4											-4	2.3
w	- 3	• 3	.1	• 1								.9	5.3
WNW	- 3	• 5	. 3	.1			<u> </u>				<del>                                     </del>	1.2	5.8
NW		. 1	.1	-								.3	6.5
NNW	.5		• 1				<del>                                     </del>	<del>                                     </del>	t	<del>                                     </del>	t	7	3.2
VARSL	•					<del>                                     </del>	† — — — — — — — — — — — — — — — — — — —		<u> </u>	<del></del>	†	•	
CALM	$\times$	>>	$\times$	> <	>	$\times$	> <	>>	>	>>	> <	18.3	
	31.5	40.9	9.9	5								100.0	3.4

TOTAL NUMBER OF OBSERVATIONS 761

CL 35 AL CLIMATOLOGY BRANCH L AS ETAC

## SURFACE WINDS

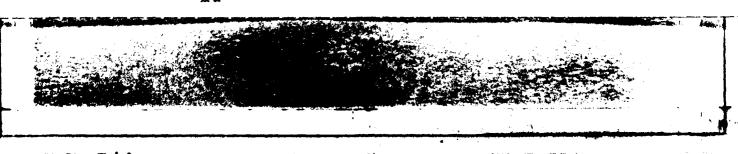
# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	"ILLIAMS AFB AZ	73.73-81	JAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	20 - 33	34 - 40	41 - 47	49 - 55	≥56		MEAN WIND SPEED
N	.4	. 4	. 2									1.1	4.7
NNE	. 4	• 2	• 7	. 6								1.9	7.6
NE	9	. 9	. 3	• 3				}				2.4	5.4
ENE	1.6	1.1	. 6	• 1								3.3	4.4
E	5.9	5.4	1.8	. 4								13.6	4.3
ESE	4.6	7.2	3.4	• 7	-1					[		16.0	5.3
SE	4 <b>.</b> D	4.9	3.0									11.7	4.9
SSE	1.4	2.9	6	• 2								5.1	4 . 8
5	2.1	1.7	1	. 3	1							4.3	4.6
SSW	1.8	. 4	. 6					{				2.8	3.6
SW	- 8	. 8	. 3	1								2.0	4.4
WSW	• 3	. 4	. 3									1.1	4.8
W	1.2	1.2	3	1								2.9	4.3
WNW	. 9	. 6	.3									1.8	4.1
NW	.8	. 3	.1	•2								1.4	4.5
NHW	-2	- 2				]						.4	3.5
VARBL						T		I				1	
CVÍM	$\searrow$	$>\!\!<$	$\times$	$\times$	> <	$\times$	> <	$\boxtimes$	$\geq \leq$	$\times$	$\boxtimes$	27.9	
	27.3	28.8	12.7	3.1	. 2							100-0	3.5

TOTAL NUMBER OF OBSERVATIONS

900



GLOBAL CLIMATOLOGY BRANCH USAFETAC Ale \*EATHER SERVICE/MAC

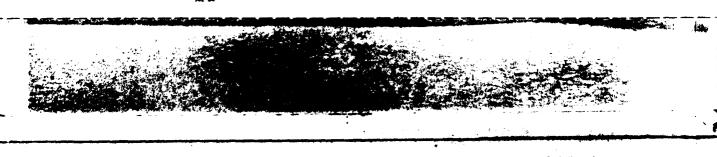
## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION	AILLIAMS AFR AZ	70,73-81 YEARS	MONTH		
	ALL WEATHER CLASS				
	CONI	DITION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - 55	≥56		MEAN WIND SPEED
N	1.7	1.2	• 6	• 2	.1							3.8	4.8
NNE	- 4	1.0	. 4	• 2	1							2.2	6.4
NE	. 6	. 3	1.1	. 3								2.3	7.0
ENE	. 4	.4	. 4	• 2								1.6	6.2
E	1.3	1.1	1.2	1.4		- 1						5.2	7.7
ESE	• 3	1.3	1.6	.7	• 3							4.2	8.4
SE	1.2	2.2	1.3	. 4								5.2	6.1
SSE	3.0	1.2	1.2	1								4.6	4.7
5	1.7	1.7	1.2	. 3	• 1							5.0	5.6
SSW	2.4	1.3	2	• 6				I				5.0	4.5
SW	1.6	. 7	• 3	. 1								2.7	4.4
wsw	2.9	2.3	. 9	• 2	• 1							6.4	4.6
w	3.6	5.0	2.0	. 3								10.9	4.9
WNW	3.7	3.2	• 6	. 3								7.8	4.1
NW	2.7	1.9	. 8	. 4	.1							5.9	4.9
NNW	1.4	. 9	• 2									2.6	3.8
VARBL													
CALM	$\supset <$	><	$\times$	><	$\supset <$	><	$\geq <$	$\supset <$	$\supset <$	$\supset <$	><	24.7	
	27.9	26.3	14.1	0.4	. 9	.1						100.6	4 . 0

TOTAL NUMBER OF OBSERVATIONS



La de

GLIBAL CLIMATOLOGY BRANCH LATETAC AIN EATHER SERVICE/MAC

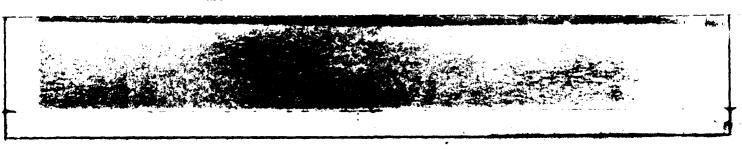
## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 : 4	-ILLIAMS AFB AZ	70.73-81	JA^{*
STATION	STATION NAME	YEARS	MONTH
	ALL )	WEATHER	1500-1700
		CLASS	HOURS (L.S.T.)
	**************************************		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	2.3	1.3	• 2								5.6	5.3
NNE	2	. 6	1.2									2.1	6.4
NE	.2	. 5	7					L				1.5	5.7
ENE	. 4	- 4	.6	. 6								1.9	8.0
E	7	. 9		. 5	.1							4.6	7.5
ESE	. 1	1.0	1.6	- 5	. 1	1						3.4	8.6
SE	. 7	1.0	.6	.1		. 1						2.6	6.4
SSE	5	7	. 5	.1								1.8	5.6
S	1.5	1.5	4									3.3	4.1
SSW	1.0	. 6	. 2	. 5								2.3	5.9
sw	1.8	1.2	. 6	. 1	-1							3.9	5.0
wsw	2.6	2.8	1.2	. 5								7.1	4.9
w	5.7	9.4	2.9	1.1					L			19.1	5.1
WNW	2.2	4.6	3.2	. 7	1							10.8	5.9
NW	2.8	3.2	1.2	. 7								7.9	_5.1
HHW	1.8	2.6	1.9	. 4								6.7	5.4
VARBL													
CALM	> <	> <	$\times$	> <	$\geq \leq$	$\geq <$	> <	$\geq \leq$	$\boxtimes$	$\boxtimes$	$\geq \leq$	15.5	
	24.0	33.1	20.7	6.1	5	.2						100.0	4.8

TOTAL NUMBER OF OBSERVATIONS



GLOBAL CLIMATCLOGY BRANCH CLAFETAC AT BEATHER SERVICE/MAC

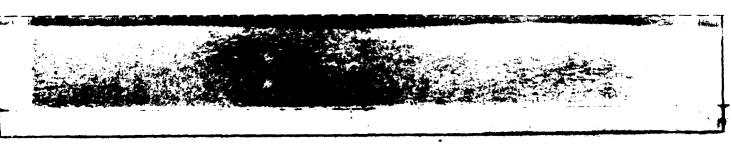
### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	ATLLIAMS AFB AZ	73.73-81	JA*:
STATION	STATION NAME	YEARS	MONTH
		ATHER	1800-2000
	CI	LASS	HOURS (L.S.T.)
		•	
	<del></del>		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	2.8	2.1	• 2		•2							5.2	3.7
NNE	1.1	1.7	• 2	.2				{				3.1	4.6
NE	2.6	2.0	. 2									4.7	3.3
ENE	2.5	1.5	• 3	• 2								4.4	3.8
E	3.8	2.1	• 8									6,7	3.8
ESE	1.4	1.4	• 3	• 2							Ι	3.2	4.5
SE	. 9	• 9	. 8						I			2.6	4.9
SSE	. 8	5	• 2						Í			1.4	3.6
\$	1.7	1.2				. 2						3.1	4.4
SSW	1.1	. 5	• 3								Ī	1.8	3.6
SW	1.1	• 9	• 2									2.1	3.7
wsw	1.7	1.8	• 6									4.1	4.2
w	5.5	3.5	• 6	• 2								9.8	3.7
WNW	2.5	2.9	1.1		• 2							6.6	4.6
NW	2.8	1.8										4.6	3.2
NNW	1.8	2.5	• 3									4.6	3.9
VARBL													
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$>\!\!<$	$\boxtimes$	$\times$	$\times$	>>	31.9	
	_ 33.8	27.4	5.8	. 6	. 3	2						100.0	2.1

TOTAL NUMBER OF OBSERVATIONS



GE BAE CLIMATOLOGY BRANCH : AFETAN

PEATHER SERVICE/MAC

## SURFACE WINDS

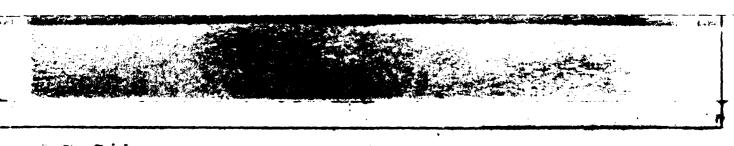
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2 1 4	ILLIAMS AFB AZ	70,73-81	JA .
		ATHER	2100-2300 HOURS (L.S.T.)
	CON	DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
×	. 7		- 4									1.1	4.0
NNE	1.8	. 4	. 7									2.8	4.1
NE	1.1	1.5										2.8	3.8
ENE	3.6	5.0	. 4									8.9	3.9
E	.9.3	14.2	.7	. 4								24.6	3.8
ESE	6.6	9.3	1.4									17.4	4.1
SE	2.5	3.6	.7									6.8	4.3
SSE	7.1	1.4										3.6	2.9
5	. 4	4										• 7	3.0
SSW	. 4	1.1	4					1				1.8	5.0
SW		• 7	. 4			<u> </u>			i	i		1.1	5.7
WSW		. 7						1		1		27	5.0
w	. 7	. 4										1.1	2.3
WNW	-4	. 4	-4									1.1	5.3
NW	1.1	.4										1.4	2.8
NNW	1.1	-	. 4	<b></b>								1.4	3.6
VARBL					ļ			1	<u> </u>				
CALM	$\times$	$\times$	$\times$	> <	$\geq \leq$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	22.8	
	31.7	39.5	5.7	4								100.0	3.0

TOTAL NUMBER OF OSSERVATIONS 28.1



BE BAL CLIMATOLOGY BRANCH
UNAFETAC
AT REATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ATLITAMS AFR AZ	70.73-81 YEARS	JA!
	ALI	WEATHER CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3	1.1	. 4	1	2							2.9	4.5
NNE	.6	• 8	. 7	. 2	. 3							2.3	6.1
NE	i • 2	1.1	• 5	1								2.9	4.6
ENE	1.8	1.7	• 5	•2								4.1	4.4
E	4.9	7.0	1.8	• 5		•0						14.2	4.6
ESE	3.0	4.5	2.1	. 4	• 1	C						16.1	5.3
SE	2.1	2.7	1.3	1		.C						6.3	5.C
SSE	1.4	1.3	• 5	1								3.3	4.4
\$	1.5	1.2	. 4	.1	. 0	• 0						3.2	4.7
SSW	1.2	. 0	3	.2					{			2.5	4.4
sw	1.0	- 5	.4	• 1	• 3							2.2	4.6
wsw	1.4	1.4	.6									3.5	4.7
w	2.9	3.5	1.1	. 3								7.8	4.7
WNW	1.7	2.1	1.0	•2								5.1	5.0
NW	1.7	1.3	. 4	. 3	. C							3.7	4.6
NWW	1.1	1.3	. 5	1						L		2.7	4.5
VARBL													
CALM	$\searrow$	$>\!\!<$	><	><	><	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	23.2	
	28.6	32.4	12.2	3.1	4	1						100.0	3.7

TOTAL NUMBER OF OBSERVATIONS 4552



GLISSAL CLIMATOLOGY BRANCH DEETAC AT EATHER SERVICE/MAC

## SURFACE WINDS

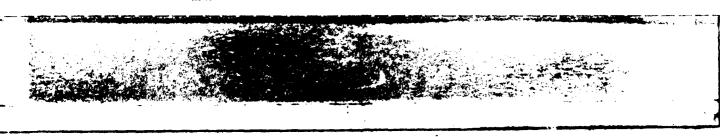
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2 : 4	AILLIAMS AFR AZ	70.73-81 YEARS	FEG.
	-	ALL WEATHER	0390-0500 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	9	5	• 5									3.1	4.5
NNE			9									. 9	9.0
NE	. 5	1.4	. 5	5								2.7	5.7
ENE	2.3	6.4	.9		]	]	]					9.5	4.4
ŧ	9.1	24.1	3.2		. 5							36.8	4 . 5
ESE	٠.٥	11.4	3.2									19.5	4 . 8
SE	4.1	2.3	1.4									7.7	3.9
SSE			• 5									.5	9 . :
S		. 0	. 9									1.8	6.3
SSW		5		5								1.8	3.3
SW			. 5	5	i							9	9.5
wsw	. 9											- 9	2.5
w	1		. 5	.5			T					.9	11.5
WNW	11												
NW	5	- 5				·			<u> </u>			.9	4.00
NNW		• 5										.5	_ 5.ŭ
VARBL		-			<del>                                     </del>				t	<b></b>			
CALM	$\supset <$	$>\!\!<$	$>\!\!<$	> <	> <	$\supset <$	$\supset <$	$\supset <$	$\supset <$	> <	> <	12.7	
بيضمين وسي	23.6	48.2	13.2	1.8	- 5							100.0	4.2

TOTAL NUMBER OF OBSERVATIONS 220



\* \* GUJBAL CLIMATOLOGY BRANCH SURFACE WINDS ମୁ A. REATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) STATION STATION NAME 77.73-81 WEATHER HOURS [L.S.T.] CONDITION MEAN WIND SPEED SPEED (KNTS) 1 - 3 7 - 10 ≥56 N <u>. 6</u> 1.1 NNE 1.3 1.4 4.6 4 . 8 2.8 ENE 7.9 3.6 • 4 19.4 31.6 4.6 ESE 22.6 4.0 3.6 1,3 8.8 SSE 4 . 4 • 6 5 2.0 3.3 SSW SW . 4 WSW . 4 3.0 WNW -1 NNW 6 . c VARBL 13.6 CALM 100.0 TOTAL NUMBER OF OBSERVATIONS 713 USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

- 1

LI MAL CLIMATOLOGY BRANCH BETAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

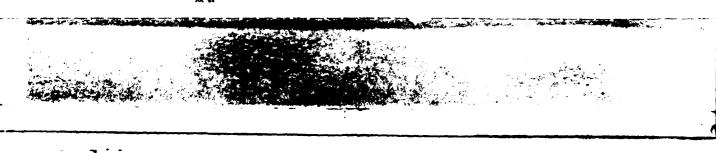
STATION	STATION NAME	75.73-81 YEARS	SE:
	ALL	WEATHER CLASS	930-1100 HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	_	. 2	• 2	5								1.2	o o C
NNE	• 4	4	. 5	1				[				1.3	6.1
NE	4	G	- 4									1.6	4.9
ENE	• 3		. 1	• 2						1	1	1.8	4.5
E	3.2	3. 0	1.8	9	. 4	- 1	. 2				1	1.5	6.6
ESE	3	4.5	4.1	, c					† <del></del>	1		12.4	5.6
SE	2.9	7.0	3.5	- 7						1		14.1	5.6
SSE	3.2	. 2.3	1.1	. 2					<del>                                     </del>	<del>                                     </del>	<del> </del>	ئەن ئەن	4.3
S	2.6	4	. 9	. 2			<del></del>	·	<del>                                     </del>	<b>†</b>	<del> </del>	9.0	4.5
SSW	2		. 5	. 1			· · · · · ·	<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	3.5	4 3
SW	1.0	1.1	. 9	- 4			<del></del>	<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	3.3	6.C
WSW	1 . 3	5.	- 4				<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del>                                     </del>	2.3	
W	2.3	9		. 1			<b></b>		<del> </del>	<del> </del>	<del> </del>	4.3	4.5
WNW	7	. 5	. 4						<del> </del>	<del> </del>	<del> </del>	1.7	
NW	1.0	• • • •	- 4		-1				<del> </del>	<del> </del>	<del> </del>	,	عمد
MMM	- 4						ļ	<del> </del>	<del> </del> -	<del> </del>	<del> </del>	2.3	<u> 4.5</u>
YARBL			- 4	1	L			<del></del>	<del> </del>	<del> </del>	<del> </del>	107	0.4
CALM	$\boxtimes$	$\times$	$\times$	$\ge$	$\times$	$\geq$	$\geq$	$\geq$	$\geq$	$\times$		27.7	
	2 5	25.1	16.5	4.3	.6	1	. 2					120.0	3.5

TOTAL NUMBER OF OBSERVATIONS

82.

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



-44

SECRAL CLIMATOLOGY BRANCH CAFETAC ACCEPTATE SERVICE/MAC

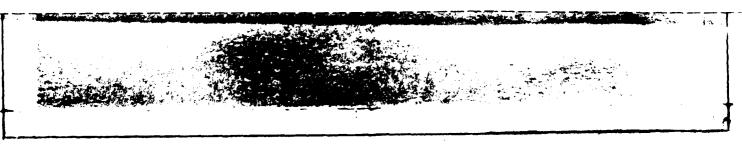
## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 . 4	AILLIAMS AFR AZ	73•73-81	
STATION	STATION NAME	YEARS	MONTH
	ALI	WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥54	*	MEAN WIND SPEED
N	. 2	1.3	1.3	. •2								3.8	5.9
NNE	. 7	. 7	• 5	• 2								2.2	5.0
NE	. 7	. 2	. 2									1.2	4 - 3
ENE	. 7	• 7	. 5									1.9	4.6
E	.5	1.3	1.2	• 6	. 5	- 4						4.5	9.8
ESE	1.7	1.1	1.5	1.1	. 4							4.5	¢•2
SE	. 5	1.2	1.6	• 6	. 1							4.1	7.7
SSE	• 5	1.6	1.3	• 2	.1				<u> </u>			3.9	6.6
S	± • 3	2.2	1.5	. 5	.2	• 2						6.5	6.1
SSW	1.7	1.5	. 7	. 4	. 1					ļ ———		4.4	5.9
SW	1.7	1.7	• 2	.6								4.3	5.2
WSW	2.9	2.6	1.2	• 2	• 2							7.2	5.2
w	4.3	4.6	1.8	• 7	. 2				<u> </u>			11.7	5.1
WNW	1.9	4.2	1.1	. 4	. 4							7.7	5.6
NW	3.0	1.7	.4	. 4								5.5	4.1
NNW	1.1	1.6	• 7	• 1								3.5	5.1
VARBL		-	-	-								1	
CALM	$\boxtimes$	$\times$	$\times$	$\times$	$\times$	$\times$	>>	>>	>>	$\supset <$	> <	23.1	
	24.6	28.1	14.9	5.3	2.3	. 6						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 8.2.1



FITTER SECULORY BRANCH

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	_											на
	-				COMI	DITION		· · · · · · · · · · · · · · · · · · ·				
SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*
N	1.7	1.7	1.3	.1	-1							5.
NNE	5	7	3									1.
NE			. 4	1							}	1.
ENE	7	1.1	. 9									2.
E	7	1.1	1.6	1.1	.7	1						5.
ESE	5	. 8	1.1	1								2.
SE	a i	. 4	. 3									1.
\$\$ E	9	_ 5	.7									2.
5	.! 2	9	1.1	- 4	1							3 .
SSW		1.2	1.5	.5	. 9	. 4						5.
sw	1.3	1.6	1.1	. 5								4
wsw	1.1	2.2	2.2	9	. 1							7.
w	4 . 6	12.4	4.1	1.3	. 4							20.
WNW	3.1	7.4	2.6	1.2		1						14.
NW	1.7	2.8	1.6	. 4								6.
New	. 7	2.4	. 5	. 3	1							4.
VARM												
CALM	$\searrow$	$\sim$	$\sim$				$\overline{}$					11.

TOTAL NUMBER OF DESERVATIONS 758

GUBBAL CLIMATOLOGY BRANCH UNAFETAC AND LEATHER SERVICE/MAC

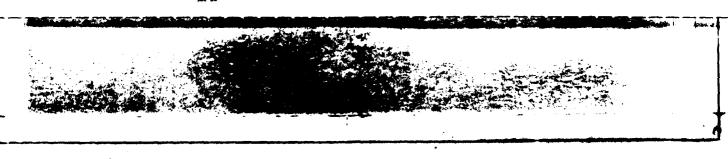
## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	LILLIAMS AFB AZ	70.73-81 YEARS	F £ 5
		ATHER	1830-2300 HOURE (L.S.T.)
	CONI	DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.6	1.3	. 3	2								4.4	3.8
NNE	1.2	. 6	• 2									1.8	3.3
NE	2.1	ە. ق	. 3									3.2	3.4
ENE	1 • â	1.5	• 3									3.6	3.9
£	1.6	2.3	1.1	.3	. 3							5.7	6.1
ESE	.6	1.	• 2							}		1.8	4.1
SE	. 8	1.3	• 2		• 2							2.4	5.1
SSE	• 3	1.	• 5									1.8	5.0
S	. 5	. 6	• 5	• 3	5							2.4	8.7
SSW	1.	• 3	• 5	• 5	• ?	2	. 2					2.8	9.2
sw	. 8	1.1	• 2	•2					ļ ———		<u> </u>	2.3	4.9
wsw	2.8	2.3	1.1	• 2							<u> </u>	6.3	4.6
w	7.9	8.6	. 8	. 8					i			18.2	4.1
WNW	3.9	3.6	.6	.6	2							3.9	4.8
NW	2.4	1.5	.3	.2	-							4.4	3.9
NNW	2.1	1.6	• 3	• 2							· · · · · ·	4.2	4.2
YARDL									<del> </del>	<del>                                     </del>	<del> </del>	7.5	7.86
CALM	> <	>>	$\times$	>>	$\times$	> <	$\times$	$\times$	$\times$	$\boxtimes$	$\times$	25.9	
	32.3	29.3	7.5	3.4	1.3	. 2	2					100.0	3.5

AL NUMBER OF OSSERVATIONS



SCHRAL CLIMATOLOGY BRANCH STETAC At REATHER SERVICE/MAC

## SURFACE WINDS

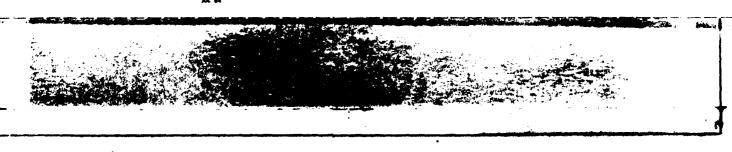
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WIT : CAUTION

2 104 STATION	ATILIAMS AFR AZ	70.73-81 YEARS	FER
		ALL WEATHER CLASS	2100-2388 MOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 7	1.1										1.8	3.6
NNE	. 7	1.1	. 7									2.6	4.3
NE	2.5	1.1						}				3.7	2.9
ENE	3	4.4					]		·			8.4	3.3
E	10.1	8.4		. 4	. 4							25.3	3.5
ESE	1 1.6	5.9	. 7							i		17.2	3.5
SE	3.3	2.2										5.5	3.3
SSE	iaz		. 4	. 4	. 4					<u> </u>		2.9	6.3
5	.7	. 7	. 4									1.6	4.2
SSW	-	. 4	. 4									.7	7.0
SW	.4	. 4		. 4								1.1	6.7
WSW		. 4					1		-			-4	4 a C
w	1.1	. 7	. 4	.4							·	2.6	5.0
WNW	7	. 4							<b> </b>			1.1	2.7
NW										l			
NW	.7	1.1			<del></del>						<del></del>	1.8	3.4
VARDL	• • • • •								<del></del>		<del></del>		
CALM	$\times$	>>	>>	> <	> <	> <	>>	>>	> <	$\sim$	> <	23.1	
	43.6	28.2	2.9	1.5	7					,		100.0	2.8

TOTAL NUMBER OF DESERVATIONS 273



GLUBAL CLIMATOLOGY BRANCH SAFETAC

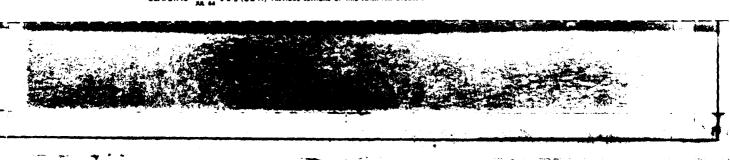
## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	BILLIAMS AFR AZ	7C.73-81	FE3
		ALL WEATHER CLASS	ALL HOURS (L.S.T.)
	<del></del>	COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥\$6	*	MEAN WIND SPEED
N	1.1	1.0	•6	• 2	2							2.9	5,
NNE	. 5	. 7	. 4	1					L			1.7	5.
NE	9	. 8	• 3	• 1				<u></u>	<u> </u>		<u> </u>	2.1	4.
ENE	1.7	1.9	. 4	c.			l	<u> </u>		L	L	4.1	4.
E	4.0	6.6	1.7	•6	, 4	. 1	0.0					13.5	5.
ESE	3.3	4.5	2,5	.4	• 1		<u> </u>			<u> </u>		9.9	5.
SE	1.9	2.7	1.4	. 3	. 0				<u> </u>			6.4	5.
SSE	1.3	1.2	. 8	•1	Q							3.4	5.
\$	1.4	1.1	• 7	. 3					<u> </u>	ļ		3.6	5.
SSW	1.1	- 2	. 7	. 3	. 2	-1	.0					3.2	7.
5W	ا و ا	1.1	. 5	. 4			L					3.0	5.
W\$W	1.7	1.4	9	. 2			L				L	4.3	5.
w	3.4	4.3	1.4	. 6	1				<u> </u>	!		9.9	5.
WNW	1.7	2.7	. 9	. 4							<u> </u>	5.8	5.
NW	1.5	1.4	- 5	.2	. 2							3.6	4.
NHW	. 8	1.1	4	. 1	.0						L	2.4	5.
VARBL													Ĺ
CALM	$\times$	$>\!\!<$	$\times$	$\times$	$\geq \!$	$>\!\!<$	><	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	20.2	
	26.8	33.3	13.7	4.3	1.3	- 3	- 1					100-0	4

OTAL NUMBER OF OBSERVATIONS #22.2



CLUEAL CLIMATOLOGY BRANCH
L'SATETAC
ATT WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

## SURFACE WINDS

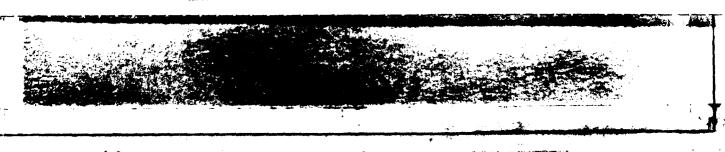
PERCENTAGE FREQUENCY OF WINI DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2_ 104	AILLIAMS AFB AZ	70.73-81	MAR
STATION	STATION NAME	YEARS	MONTH
		LL WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
			<del></del>
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	- 4	1.2	1.2			. 4						3.2	8 - 3
NNE	. 4		. 4									.8	6.
NE	. 9	. 8				<u> </u>				L		1.6	3.5
ENE	2.9	2.4	, 4					<u> </u>	<u> </u>			4.9	3.
	7.7	25.9	3.2					<u> </u>		L		36.8	4
ESE	ا_ ، ، ـ ا	17.9	4.0					<u> </u>		L		16.6	5_;
SE	1 - 1 - 5 - 5	4.9	2.4					<u> </u>	<u> </u>	<u> </u>		10.9	4.1
\$SE	1.2							ļ	<u> </u>			2.8	3_`
	<u> </u>	1.2	1.2					<u> </u>	<u> </u>	<b></b>		3.2	6.
SSW	<b>L</b>	3_	1.6	- 4				L				2.8	B.
sw			1.2	. 8		<u> </u>		<u> </u>	L	<u> </u>		2.0	10.
wsw	8	. 4							L	<u> </u>		1.6	4.
w				. 8				ļ		L		. 8	11.
WHW	<b></b>		. 4					<u> </u>	<u> </u>			-4	8.4
HW	4			ļ									2.
MMW		1.2						ļ				1.2	4.
VARBL								Ļ		L			
CALM	$\geq <$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	><	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	9.7	
	19.8	51.4	16.6	2.0								100.0	_4.4

TOTAL NUMBER OF OBSERVATIONS



GE BAL CLIMATOLOGY BRANCH CSAFETAC ASS MEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 114 STATION	AILLIAMS AFB AZ	75.73-81 YEARS	MAR MONTH
	A	CLASS	3630-3800 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 · 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥54	%	MEAN WIND SPEED
N	. 1	• 5	. 1									.7	5.2
NNE	- 4	. 4	1	• 2								1.1	6.2
NE	. 9	. 4	• 2							l		1.5	3.8
ENE	2.7	1.4	• 1									4.2	3.1
E	5.7	18.3	3.1	• 2								28.4	4.5
ESE	5.4	15.2	4.6	1								25.3	5.0
SE	J. 1	7.1	2.9	• 2								13.3	5.2
SSE	1.4	1.6	. 6	.1								3.7	4.9
S	9	5	- 9	• 7		L						3.0	7.2
55W	•2	• 7	1.2	2								2.5	7.3
SW		. 9	. 4	. 2								1.5	7.1
WSW	2	7	- 2	1								1.4	5.5
w	3	1	2	. 2								1.1	8.3
WNW	_ 5	. 1										. 6	3 . 0
NW	1	. 5	. 5	.1								1.2	6.6
HWW	7	2	.2									1.4	5.1
VARBL													
CALM	$\supset <$	> <	> <	$>\!\!<$	> <	> <	>>	$>\!\!<$	$\geq \leq$	$\geq \leq$	><	8.9	
	23.8	48.8	15.6	2.7	.2							100.0	4.6

TOTAL NUMBER OF OSSERVATIONS



GEOFAL CLIMATOLOGY BRANCH SEAFETAC ASSETAC

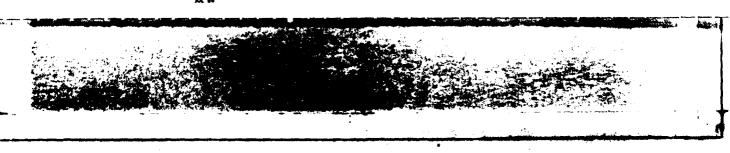
## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 134	AILLIAMS AFB AZ	_ 70.73-81	MAD
STATION	STATION NAME	YEARS	 MONTH
		EATHER	0980-1100 HOURS (L.S.T.)
	COI	NOITION	 

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	# - 55	≥56	%	MEAN WIND SPEED
N	. 2	. 3	3	1								1.0	6.6
NNE		. 3	. 5									1.6	5.2
NE	. 6	1	. 2	1			L			L		1.1	4.8
ENE	. 3	. 3	. 5				L	Ĺ	<u> </u>			1.6	4.4
E	2.5	2.4	. 6	6	1		Ī		<u> </u>			6.3	5.6
828	لتعنا	5.6	3.4	1.1	1		<u> </u>		<u> </u>	L		13.2	6.0
SE	- 3.4	7.8	4.7	9			<u></u>		<u> </u>			16.9	5.8
SSE	3.3	3.8	2	. 6	-1	1						10.0	5.4
5	1.6	2.2	1.5	. 8	. 6				l			6.7	7.2
ssw	1.6	1.4	1.7	1.0					<u> </u>			5.7	6.7
sw	1.5	1.9	1.0	9	1		L			<u> </u>		5.4	6.4
WSW	1.2	- 8	1.0	2			<u> </u>	<u></u>	ļ		Ĺ	3.1	5.5
w	1.7	1.2	. 3	5	5		<u> </u>	<u> </u>	<u> </u>		<u> </u>	4.3	6.6
WNW	1.2	. 6	. 4		. 2	2	Ĺ		<u> </u>	<u> </u>		2.8	7.2
NW	4	5	1			1			<u> </u>	<u></u>	L	1.3	6.2
HOW	6	2	1	. 3								1.3	5.5
VARBL												L	
CALM	$\times$	$\geq \!$	$\times$	$>\!\!<$	$\times$	$\geq \leq$	$\searrow$	17.7					
	24.5	29.5	18.6	7.3	1.8	5		<u> </u>		L		120.0	5.0

TOTAL NUMBER OF OSSERVATIONS 930



GLUBAL CLIMATOLOGY BRANCH

## SURFACE WINDS

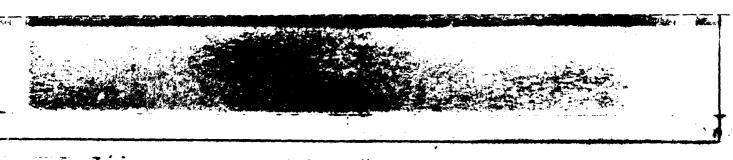
AL \*FATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ATTLIAMS AFR AZ	70.73-81 YEARS	M A □
		ATHER	1200-1400 Hours (L.S.T.)
	CON	DITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	1.	• 2									2.9	3.6
NNE	. 9	2					L				L	1.1	3.1
NE	. 9		. 1									.9	3.3
ENE	. 5	• 9	• 2	.1								1.8	4.6
E	1.0	1.1	1.0	1								3.1	5.3
ESE	7	• 5	1.0	. 8	. 1							2.8	8.7
SE		1.2	1.8	. 6	. 1							4.5	7.1
SSE	2.0	1.9	1.2	.9	.2							6.2	6.1
\$	1.4	2.7	2.2	1.2	.2	1						8.0	7.2
SSW	2.4	2.3	1.8	1.2	. 2							7.8	6.5
sw	1.5	3.0	2.9	1.5	4							9.4	7.5
wsw	1.7	3.4	3.4	1.2	.1							9.9	6.9
	4.1	6.3	3.5	. 6	. 5							15.2	5.9
WNW	1.9	2.8	1.5	. 6	. 4	. 2						7.5	7.1
NW	1.0	1.2	1.1	. 2	3							3.8	7.5
MMW	. 9	1.5	• 2	.2	•1							2.9	5.1
VARBL													
CALM	$\supset \subset$	$\times$	> <	$>\!\!<$	> <	$\geq \leq$	><	$\boxtimes$	$\geq$	$\boxtimes$	$\geq \leq$	12.3	
	23.1	30.1	22.2	9.2	2.8	3						100.0	5.7

TOTAL NUMBER OF COSSERVATIONS



CERTAL CLIMATOLOGY BRANCH METAC A WEATHER SERVICE/MAC

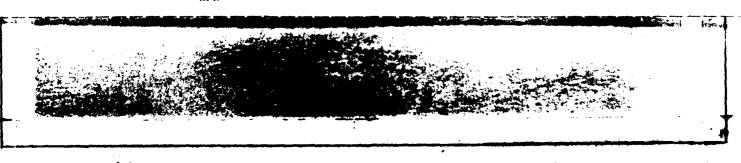
## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4 _	ILLIAMS AFB AZ	70.73-81	MAR
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER CLASS	1500-1700 Hours (L.s.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	1.5	1.2	. 2	. 2	1							3.4	4.8
NNE	6	4		1	1			I				1.2	5.5
NE	-2	. 4	- 1							L		. 7	4 . 3
ENE	. 2	. 4	.1						}			• 7	4.5
E .	ذ و	1.3	1.1	. 2								3.2	6.0
ESE	1	5	. 7	. 6								1.9	8.9
SE	5	. 5	. 5					I				1.4	_5.1
SSE	5	. 1	. 6									1.2	5.9
5	1.3	1.2	1.8			6						5.3	_7.3
\$5W	2	1.8	1.3	. 9	• 5	• 1						5.5	8.2
SW	1.3	1.9	2.5	1.3	. 5	• 1						7.5	8.3
W\$W	1.4	4.2	3.5	2.1	. 4						<u> </u>	11.6	7.7
w	3.3	9.3	9.4	2.5	• 5	• 1						24.9	7.C
WNW	1.8	5.9	4.2	1.1	. 6	1						13.6	7.0
NW	1.9	2.7	1.8	. 6	. 1							7.0	5.8
NNW	1.2	. 9	1.2	. 2								3.5	5.6
VARM							<del></del>			<u> </u>	† <b></b> -		
CALM	><	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\sim$	7.5	
	17.A	12.3	28.8	9.8	2.7	1.1						100.0	6.4

TOTAL NUMBER OF OBSERVATIONS



SEUSAL CLIMATOLOGY BRANCH UTAFÉTAC AS LEATHER SERVICEZMAC

2 #

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	"ILLIAMS AFR AZ		MAS_
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER CLASS	1830~2000 HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.5	1.8	. 3	•1	.1							4.9	4.3
NNE	1.5	• 6	.1									2.2	3.4
NE	1.3	1.3						L				2.8	3.9
ENE	2.7	1.1	. 7	• 1								3.9	4.5
£	1.7	2.7	. 7	. 4								4.8	5.6
ESE	1.4	• 6	. 7	• 1								2.8	5.1
SE	. 6	. 4	• 3									1.3	4.6
SSE	• 3	. 5	• 3									1.1	4.6
5	. 4	. 7	. 3	. 6	L'							2.0	7.1
\$5W	. 4	. 3	. 4	.7	.1	- 1			I			2.1	10.1
sw	۹	2.4	1.1	. 7	. 1			L				5.2	6.7
WSW	1.6	3.7	2.5	. 6	. 1							8.7	6.1
·	4.1	3.4	4.1	. 8	. 3							17.7	5.7
WNW	3.8	3.4	1.5	-1	.1							9.0	4.7
NW	3.1	2.4	7		L							6.7	4.7
NNW	2.5	1.7	. 6	•								5.2	4.7
VARBL													
CALM	$\times$	$\times$	$\times$	><	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\boxtimes$	$>\!\!<$	19.5	
	27.5	31.9	14.5	5.5	1.0	1						180.0	4.3

TOTAL NUMBER OF OSSERVATIONS \_\_\_\_\_\_\_712

100

GLIMATOLOGY BRANCH L AFETAC A LEATHER SERVICE/MAC

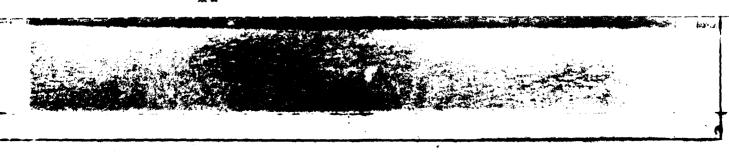
## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS USE WITH CAUTION SEE FIRST PAGE

2 4	ILLIAMS AFB AZ	70.73-81	<u> </u>
STATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	2100-2300
	¢Li	ASS	HOURS (L.S.T.)
	COND	UTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.8	2.0										3.8	3.4
HNE	1.8	. 9										2.6	3 . C
NE	3.2	1.5	. 6									5.3	3.3
ENE	> 3	1.5	. 3									7.0	2.8
£	13.5	5.1	1.2									20.8	3.2
ESE	3.5	4.7	.6	• 3								9.1	4.5
SE	3.8	3.2		.6								7.6	4.1
SSE	2.9	1.2	. 6									4.7	3.5
S	. 3	1.8	. 3	. 9								3.2	7.3
SSW	. 7	• 3	.6									2.3	6.5
sw	. 9	1.5	2.0	.3								4.7	6.1
WSW	- 6	.9										3.2	6.2
w	1.2	1.2		. 6								4.1	ک و و
WNW	.3	. 3	1.2									1.8	7 • 2
NW	. 3	. 3	4.3									. 9	5.3
NHW	. 3	9	. 3									1.5	5.2
VARM						Ĭ	1		1				
CALM	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	$\times$	$\boxtimes$	$\geq$	$\boxtimes$	$\boxtimes$	$\geq \leq$	17.5	
	40.4	28.1	10.8	3.2	1							100.0	3.5

TOTAL NUMBER OF DESERVATIONS



ELGEAL CLIMATOLOGY BRANCH L'AFETAC Alt WEATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	WILLIAMS AFR AZ	70.73-81	SAM
STATION	STATION NAME	YEARS	MONTH
		EATHER	HOURS (L.S.T.)
	cos	NOTION	• •

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.0	• 3	.1	0.							2.6	4.6
NNE	0	4	•2	. 1			}			I		1.5	4 . 4
NE	. 9	5	• 2	ſ,								1.6	3.
ENE	1.5	• 0	• 3	• 0								2.8	3.6
E	3.4	6.1	1.4	• 3	• 3	. 0						11.2	4 . (
ESE	2.1	4.8	2.1	. 5	• 🤄							9.5	5 . !
SE	2.3	3.5	2.3	. 4	.0							7.9	_ 5 • ¹
SSE	1.7	1.6	_ 9	. 3	1	5						4.6	د)
5	: . 2	1.6	1.3	. 6	. 2							4.9	7.
SSW	i.1	1.2	1.3	- 8	. 1	• ∷						4.6	7.
sw	1.3	1.9	1.6	9	• 2	c.						5.6	7.
W5W	1.2	2.3	2.0	• 7	.1							6.4	6.
w	2.4	4.4	3.1	. 9	. 4	0						11.3	6.
WNW	1.6	2.2	1.5	. 4	. 2	1						6.0	ه ذ
NW	1.1	1.3	. 7	. 3	1	. 0			<u> </u>			3.5	. 5 .
NNW	1.7	. 9	. 4	. 2								2.6	5.
YARBL													
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$>\!\!<$	><	><	><	><	13.2	
	24.3	34.7	19.3	6.5	1.6	4						100.0	5.

TOTAL NUMBER OF OBSERVATIONS

4817

CHICRAL CLIMATOLOGY BRANCH LASETAC ASSE \*EATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

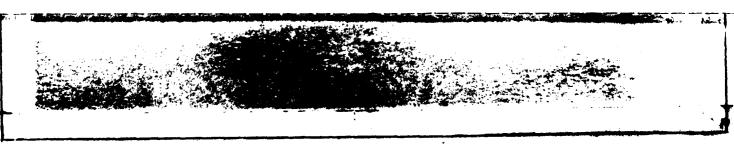
USE WITH CAUTION

2 .54	*ILLIAMS AFB AZ	70.73-81	AP a
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
		COUNTION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		4	.8	. 4								1.7	9.8
NNE	. 4											. 4	٠. د
NE	. 8	1.2										2.1	3.6
ENE	2.9	3.7	. 4	. 4				L		1	1	7.4	4.4
E	3.7	25.6	6.2									40.5	4.
ESE	4.5	13.6	5.0									23.1	5 .
SE	2.9	2.5	. 4									5.€	3.1
SSE	1.2	. 4	. 8	. 4								2.9	5.
S	. 8	1.2	- 8	. 4								3.3	6.
SSW	. 8	. 3	. 4									2.1	4.
SW	4		2.5	. 8								3.7	. 8
WSW			. 4									- 4	15.
w			. 4									. 4	8.
WNW	. 4											. 4	2.
NW							L						
NNW		. 4						l				- 4	4 .
VARSL													
CALM	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\supset \subset$	$\supset <$	> <	><	$\supset <$	><	5.4	
	24.0	50.0	18.2	2.5								100.0	_ 4.

TOTAL NUMBER OF OSSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



1.

CE BAL CLIMATOLOGY BRANCH . COFETAC AT WEATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 174	MILLIAMS AFB AZ	70.73-81	APD
STATION	STATION NAME	YEARS	нтиом
		ALL WEATHER CLASS	3600-0800 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4	. 4										. 8	4 <b>.</b> C
NNE	1	. 3	• 1	. 1							l	.6	7.5
NE	2		.1									.6	3.2
ENE	1.9	1.4	• 5	• 3								4.1	4.4
E	5.7	14.5	3.5	. 4	• 1							25.1	4.9
ESE	4.9	15.7	9.9	. 5								31.0	5.7
SE	2.7	3.1	4.5	. 4								15.6	5.5
SSE	1.8	1.3	• 9									4.0	4.1
5	. 5	• 9	. 3	. 6								2.4	6.9
SSW	. 3	1.4	1.2	.6	• 1							3.6	7.7
5W	.1	• 3	1.2									1.5	7.8
WSW	2		- 6									. 9	7.0
w	4	. 1	. 4									. 9	5.9
WNW	. 1			. 1									8.0
NW	1											-1	2.0
NNW			.4									.4	9.3
VARBL											T		
CALM	$\geq \leq$	$\times$	$\times$	$\times$	$\times$	> <	$\times$	$\boxtimes$	$\geq \leq$	$\geq$	$\sim$	8.1	
	20.9	44.3	23.4	3.1	- 3							100.0	5 a T

TOTAL NUMBER OF OBSERVATIONS 761

CI CHAL CLIMATOLOGY BRANCH STRUCTAC A SEATHER SERVICE/MAC

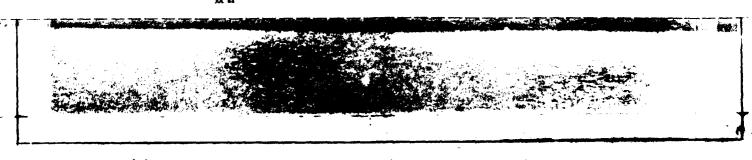
## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 174 STATION	WILLIAMS AFB AZ	70,73-81 YEARS	APP MONTH
		ALL WEATHER CLASS	3930-1100 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	ŝ		.1	. 1								1.0	4.3
NNE	. 1	• 2	1	• 2								. 7	7.7
NE		4	• 2									1.0	5.2
ENE	7	• 1	. 4	• 2	. 3							1.8	8 • 4
E	2.4	1.1	1.1	. 7					1			5.3	5.5
ESE	1.5	3.7	2.4	. 6					1			8.2	6.1
SE	2.3	4.4	6.3	. 3			<u> </u>					14.0	5.9
SSE	2.4	3.1	3.7	. 8				<u> </u>	1	1		10.0	6.0
S	2.7	2.3	1.3	. 8	. 2			T				7.3	6.0
SSW	1.7	1.4	1.1	1.0	. 1			T	†			5.3	6.6
sw	1.7	1.4	1.2	1.1	. 1							5.6	6.7
wsw	1.6	1.8	1.3	. 7					<b> </b>	<del> </del>	<del> </del>	5.3	6.1
w	2.6	2.1	lai	. 3			1					6.1	4.9
WNW	1.3	2.6	. 3	-			·	<del> </del>	<del> </del>			4.2	4.2
NW	2.2	• 7						1	<del></del>	<del> </del>	<b></b>	3.0	3.C
NNW	1.3	. 6	• 2			<del></del> -	<del>                                     </del>	† <del></del>	<b></b> -			1.8	4.1
VARSL							<del> </del>	<del> </del>	<del> </del>	<del>                                     </del>	<del> </del>	4.00	7.0
CALM	>	$\geq \leq$	$\times$	>>	>	$\times$	$\geq$	$\geq$	$\geq$	$\geq$	$\geq \leq$	19.3	
	25.9	26.0	21.2	6.8	. 8.							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900



CLIBAL CLIMATOLOGY BRANCH
UTAFETAC
ATT WEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

**F. ?** 

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	"ILLIAMS AFB AZ	70.73-81	APR
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1230-1400 HOURE (L.E.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	49 - 55	≥56	%	MEAN WIND SPEED
×	4	1.	2									1.7	4.8
NNE	3	. 4	. 3							ł		1.1	5.
NE	. 4	. 7		_							1	1.1	3.9
ENE	• 3	. 4	, 3	• 2							T	1.3	6.8
E	.7	. 7	1.4	•6								3.3	7.2
ESE	• 2	. 4	1.7	• 6						l		2.2	8.7
SE	- 3	1.4	1.1	• 2								3.1	6.6
SSE	. 3	2.0	1.3	1					1		<del> </del>	4.2	5.8
5	1.3	2.9	3.1	1.3				<del></del>	<b> </b>		<del></del>	9.1	6.9
SSW	1.1	1.4	2.0	1.2		• 3		f	<del>                                     </del>	<del>                                     </del>	·	6.1	8.6
SW	1.7	2.3	3.2	1.9				<b></b>	<b> </b>	<u> </u>		9.1	7.7
wsw	1.8	4.9	4.6	1.8	. 4			<del> </del>	<del>                                     </del>	<del> </del>	<del> </del>	13.4	7.4
w	2.7	7.1	8.3	1.2	- 3		<del>                                     </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	19.7	6.9
WNW						•2	<del> </del>	<del></del>	<del> </del>	<del> </del>	<del> </del>		
NW	1.3	3.7	2.7	8	.2		<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del> -	8.6	7.3
NNW	- 9	2.6	1.3	1		<del></del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<del> </del>	5.0	5.8
	- 9	1.0	- 4			ļ	<b></b> -	ļ	<del> </del>	}	<del> </del>	2.3	4.0
VARBL	$\leftarrow$		<del></del>	-		<del></del>	<del></del>	<del></del>	<b>-</b>			<b> </b>	
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	8.6	
	15.3	33.0	31.4	10.0	1.1	. 6						100-0	6.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

COLRAL CLIMATOLOGY BRANCH ASSITAC ASSIMEATHER SERVICE/MAC

### SURFACE WINDS

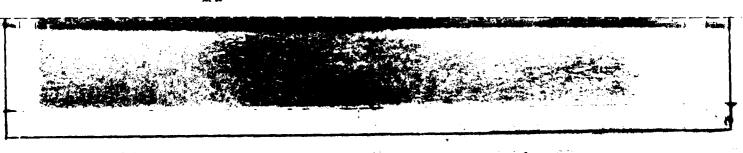
## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 . 4	HILLIAMS AFB AZ	70.73-81	APR
STATION	STATION NAME	YRARS	MONTH
		ALL WEATHER	1500-1700
		CLASS	HOURS (L.S.T.)
		CONDITION	
			_

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	- B	. 5	1								1.8	5
NNE		- 6	. 4									1.0	5.
NE	1	. 2										.5	5.
ENE	. 4	• 2	.1	. 4								1.1	6.
E	.1	5	. 4	1								1.1	7.
ESE	. 2	. 5	. 5	• 2	.1				I			1.6	7.
SE	2	. 4	5_	2	.2							1.6	9.
SSE	. 6	3	.1	1	1							1.8	6.
\$	. 7	7	1.2	- 6		1						3.5	7.
SSW	5	1.7	1.7	1.4	• 2	• 2						5.1	10.
SW	. 5	2.2	2.4	2.8	.6	. 1						8.5	9.
wsw	1.3	4.2	7.0	3.1	. 5							16.1	_8
w	1.3	6.6	11.9	5.1	. 5	• 2	. 2					25.9	8.
WNW	1.6	4.9	6.9	. 8	. 1				I			14.3	6.
NW	1.1	4.1	2.4	. 5		.6						8.7	_ 7.
NNW	.5	1.7	1.4	• 2	• 1							4.0	6.
VARM													
CALM	$\supset \subset$	> <	$\supset <$	> <	>>	$>\!\!<$	$\supset <$	$\supset <$	$\supset \subset$	$\supset <$	$\supset \subset$	3.6	
	9.5	29.5	37.4	15.8	2.6	1.3	-2					100.0	7.

TOTAL NUMBER OF OSSERVATIONS 831

USAFETAC FORM (1-8-5 /O. -A.) PREVIOUS SERTIONS OF THIS FORM ARE OBSOLET



GEUBAL CLIMATOLOGY BRANCH CSAFETAC ASSEMBATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 . 4	WILLIAMS AFB AZ	70.73-81	APR
STATION	STATION NAME	YEARS	MONTH
		ALL MEATHER	<u> 1830-2000</u>
		CLASS	HOURE (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 · 55	286	•	MEAN WIND SPEED
N	3.3	1.3	. 1	. 3	.1	.1						5.8	4.0
NNE	_ 4	. 3		. 3								1.3	<u>.</u>
NE	1.0	. 3		.1				[				1.4	3.
ENE	• 7	• 6	• 1									1.4	3.
ŧ	. 4	1.3	• 1									1.8	4.
ESE	3	- 4	3									1.1	6.
SE		. 6	1	.1								. 6	6.
SSE	. 7	4		. 4	.3							1.8	7.
S	.6	. 7	• 3	. 3								1.8	6.
SSW	.7	1.7	1.3	1.0	. 4							4.4	8.
sw	1.3	1.6	2.3	.7								5.8	6
WSW	2.5	2.8	3.1	1.1	. 1	.1						9.9	
w	3.8	8.5	6.2	1.3	. 4	. 3						20.5	6.
WNW	2.4	5.4	3.1	1.4	. 3	.1						12.7	
NW	2.3	5.2	2.5	.6	. 3							11.0	.6.
NNW	4.7	4.0	. 6	1								8.6	3.
VARBL													
CALM	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	><	$\geq <$	9.8	
	24.0	34.3	20.3	7.8	2.1							100.0	5.

TOTAL NUMBER OF CASERVATIONS 7.5.6

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

SUBBAL CLIMATOLOGY BRANCH CLAFETAC + ATH WEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF WIND SURFACE WINDS USE WITH CAUTION

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

GEE FIRST PAGE

2 1.4	AILLIAMS AFB AZ	70.73-81	APP
MOITATE	STATION HAME	YEARS	MONTH
		ALL WEATHER CLASS	2138-2388 HOURE (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR,	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥36	*	MEAN WIND SPEED
N	3.5	9		. 6								4.9	3.
NNE	1.2	. 3	. 3									1.7	3.
NE	3.5	2.6		. 6								6.6	4.
ENE	3.2	1.4							Ĺ	L		4.6	2.
ŧ	6.1	5.5										11.6	3.
ESE	2.6	2.3			. 3					[		5.2	4.
SE	2.9	2.6										5 <b>.5</b>	3.
\$2E	.6	. 9	. 3									1.7	4.
5	1.4	1.4	• 9	9	. 3					I		4.9	7.
55W	1.2	1.7	1.4	.6								4.9	6.
SW	.3	3.8	1.4	3								5.8	5.
WSW	- 3	2.3	. 6							L		3.2	5.
w	1.2	2.3	1.7	. 6								5.8	6.
WNW	.2.0	1.7		. 3								4.0	4.
NW	1.2	9	_ 3									2.3	4.
MW	1.7	.6	.6									2,9	3.
VARSL													
CALM	$\supset <$	$\times$	> <	> <	> <	> <	$\supset <$	> <	$\supset <$	$\supset <$	$\supset <$	24.3	
	32.7	31.2	7.5	3.8	. 6				{			100.0	.3.

TOTAL NUMBER OF CREEKVATIONS 346

USAFETAC PORM JUL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLUBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

### SURFACE WINDS

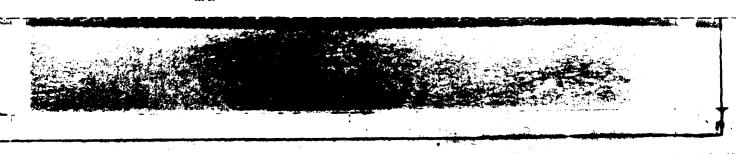
## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	HILLIAMS AFR AZ	70.73-81 YEARS	APR MONTH
		EATHER CLASS	HOURS (L.S.T.)
	CO	NRITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 56	≥56	*	MEAN WIND SPEED
N	1.2	• 7	•2	1		9.0						2.3	4.6
NNE	. 3	. 3	.2	1								.9	5.6
NE	. 7	. 6	• 1	•1								1.4	4.2
ENE	1.1	. 8	• 3	• 2	• 1							2.4	5.1
ŧ	2.7	4.7	1.5	. 3	0							9.2	4.9
ESE	1.7	4.4	2.7	• 3	. 1							9.2	5.8
SE	1.5	2.9	2.3	• 2	. 0							7.0	5.7
SSE	1.2	1.5	1.2	. 3	1							4.2	5.7
\$	1.3	1.6	1.3	• 7	• 1	0						5.0	6.7
SSW_	. 9	1.3	1.4	1.0	1	1		_				4.8	8.1
SW	1.0	1.7	2.0	1.2	1	• 0						6.1	7.7
WSW	1.3	2.6	3.0	1.2	.2							8.3	7.4
w	2.0	4.4	5.1	1.4	. 2	- 1	.0		}			13.2	7.3
WWW	1.3	3.0	2.3	6	1	1						7.2	6.5
NW	1.2	2.2	1.1	- 2	. 1	1						4.9	6.0
NNW	1.2	1.3	.6	1	0							3.1	4.6
VARBL													
CALM	$\searrow$	$>\!\!<$	$\geq <$	$>\!\!<$	><	> <	> <	$\times$		$\supset <$	>>	10.8	
	20.4	33.9	25.1	8.1	1.2	- 5	0					100.0	5.6

TOTAL NUMBER OF DESERVATIONS 4706

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CLIPAL CLIMATOLOGY BRANCH CONFIDENCE AND MEATHER SERVICE/MAC

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION DIRECTION DIRECTIONS

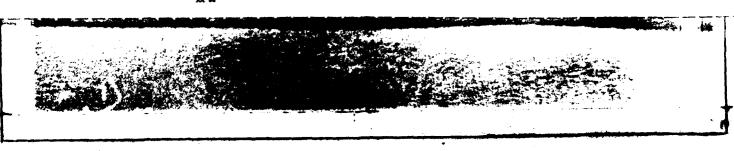
DSE WITH CAUTION SEE FIRST PAGE

2 104	SILLIAMS AFB AZ	70.73-81	MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0300-0500
	<del></del>	CLA56	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥56	%	MEAN WIND SPEED
N	- 4											. 4	2.0
NNE	. 4	. 4	. 4									1.2	5.7
NE	. 4					L						.4	2.0
ENE	3.3	4.1					L					7.5	3.6
E	9.1	27.0	6.6									42.7	4.8
ESE	4.6	12.	7.1									23.7	5.4
SE	2.5	2.5	3.3									8.3	5.0
SSE	. 3	. 4	. 8									3.1	4.6
5	4	. 3	. 4									1.7	5.5
SSW		. 4										. 4	4 • G
SW	4	. 4	. 4	. 4								1.7	6.8
WSW		. 4										- 4	6 • D
w		. 4										.4	6.
WNW													
NW										1			
NNW													
VARBL													
CALM	$\sim$	$>\!\!<$	> <	> <	$\geq \leq$	> <	$\times$	$\boxtimes$	$\boxtimes$	$\geq \leq$	$\times$	9.1	
	22.4	49.3	19.1	. 4								120.0	4.5

TOTAL NUMBER OF DESERVATIONS 24.1

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM AND OBSOLETE



GLOBAL CLIMATOLOGY BRANCH CS AFETAC

### SURFACE WINDS

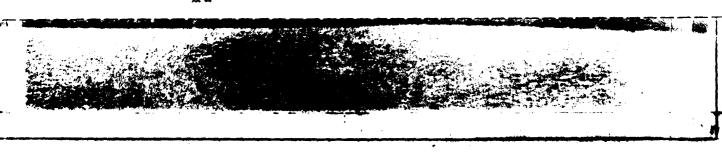
# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 114	WILLIAMS AFB AZ	70.73+81	MAY
STATION	STATION NAME	YEARS	MONTH
		EATHER	3600-0800
	•	CLASS	HOURS (L.S.T.)
		NDITION	
		BELLIAU	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.1		.3									.5	6.8
NNE		. 3	-1	-1					L	<u> </u>		- 6	6.0
NE	. 5	_ 3	. 3							<u> </u>	<u></u> ,	1.0	4.4
ENE	1.3	1.9	• 1					L	L	<u> </u>	<u> </u>	3.3	3.9
£	5.1	14.4	5.6	. 3		<u> </u>		<u> </u>		<u> </u>	<u></u>	25.4	5.2
ESE	5.1	14.6	14.9	1.0		[	L	L	<u> </u>	L	<u> </u>	35.6	6.2
SE	1.4	7.3	6.1	. 4		I	L	L	l	<u> </u>	L	15.2	6.3
SSE	1.5	1	. 8	1			L	L			L	3.4	4.7
5	1.2	. 5	. 6		•1							2.3	5.3
SSW	. 4	. 4	1.0	. 6								2.4	8 G
sw	. 9	• 3	.6	.1								1.9	5.1
wsw	•1		. 4									. 5	6.5
w	•1	1	.1									4	6.0
WNW	.1								J				2.0
NW		. 1										1	6.0
NHW	• 1	• 1		.1				]				-4	7.3
VARBL													
CALM	$\times$	$\times$	> <	> <	$\geq \leq$	> <	$\geq \leq$	$\boxtimes$	$\geq \leq$	$\boxtimes$	$\geq \leq$	6.6	
	18-0	41.4	31.0	2.8								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 783

USAFETAC FORM 0-8-5 (QL-A) PREVIOUS SDITIONS OF THIS FORM ARE OBSOLETE



BE MAL CLIMATOLOGY BRANCH LARETAC ASSETAC SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	HILLIAMS AFB AZ		MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0900-1100
	<del> </del>	CLASS	HOURS (L.S.T.)
		CONSTINU	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	1.1	• 3	. 3	• 2								2.0	4.8
NNE	. 3	2	. 4	2								1.2	7.6
NE	• 2	. 1	• 3	• 2								. 9	8.0
ENE	1.2	• 3		• 1								1.7	2.9
ŧ	.9	1.3	1.1	2.0								5.C	9.0
ESE	1.8	2.9	2.3	• 1		• 1					T	7.2	5.8
SE	2.2	4.5	3.7	. 8					·			11.2	6.0
SSE	2.5	5.0	3.1	- • 9	• 2		I					11.1	6.2
\$	3.0	3.6	2.1	.7								9.5	5.5
SSW	2.4	2.6	1.8	.7								7.5	5.5
sw	1.4	2.3	1.7	. 6	.2							6.2	6.5
wsw	2.8	2.5	2.0	.6	.1							7.9	5.4
w	2.5	3.1	1.7	.1				1		i		6.8	4 . 8
WNW	1.2	. 9	-6									2.6	4.3
NW	. 8	.3	.2									1.3	3.6
NNW	6	• 3		- 1						<u> </u>	<u> </u>	1.0	4.7
VARBL		-											
CALM	$\times$	$\times$	$\times$	>>	$\times$	$\times$	$\times$	$\geq$	$\geq$	$\times$	$\times$	16.9	
	23.8	30.1	21.3	7.2	.7	1						100.0	4 . 8

TOTAL NUMBER OF OBSERVATIONS 907

USAFETAC PORM JUL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

SEURAL CLIMATOLOGY BRANCH CHAFETAC ALC WEATHER SERVICE/MAC

## SURFACE WINDS

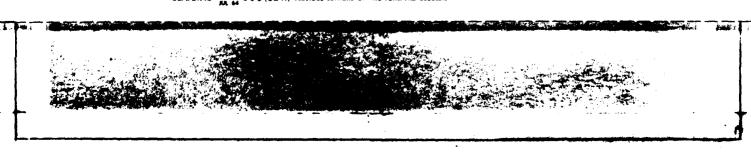
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION .	STATION NAME	70.73-81 YEARS	MONTH
	ALL WE	ATHER	1260-1400 HOURS (L.S.T.)
	COND	DITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4	. 7	• 3									1.4	5 . 0
NNE	3			1								- 4	5
NE	.2	. 3	• 1	• 1								. 8	. 5.1
ENE		. 6	• 7	• 3								1.5	7.8
E	. 7	1.2	. 8	• 2								2.9	5.6
ESE	. 3	G.	. 7	.2	-1							2.1	7.7
SE	. 9	• 9	1.1	•1								3.0	6.5
SSE	. 9	1.8	1.4	. 8								4.7	7.
5	2.2	2.1	2.8	1.2	.2	1						8.6	7.1
SSW	1.5	2.3	2.4	1.8	. 4	3						8.8	8.6
sw	1.5	3.5	3.0	1.3	1							9.5	7.0
WSW	1.8	6.4	5.6	1.5	. 2							15.5	6.9
w	2.2	8.6	8.7	1.5	- 1							21.2	6.8
WNW	1.1	4.9	2.4	. 4				Ĺ				8.8	6.6
NW	. 6	2.1	1.4	. 3					L			4.5	6.5
NHW	1.2	. 4	. 4	. 1								2.2	4.5
VARBL													
ÇALM	$\geq \leq$	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	><	><	$>\!\!<$	$\supset <$	>>	4.C	
	15.8	36.5	31.9	10.1	1.3	. 4						100.0	6.6

TOTAL NUMBER OF OBSERVATIONS 907

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE



SELPAL CLIMATOLOGY BRANCH

2 2/ETAC

ATT LEATHER SERVICE/MAC

#### SURFACE WINDS

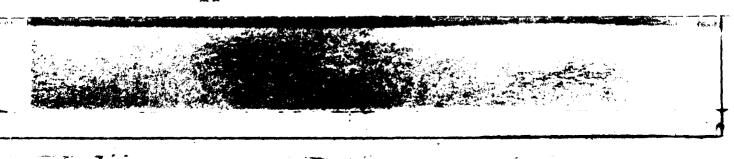
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	WILLIAMS AFB AZ	70,73-61	MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1500-1700
		CLASS.	HOURS (L.S.T.)
	•		
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.1	3	7	• 2	.1							2.0	7.9
NNE	1	• 2	. 4	• 2								1.0	ខ.ជ
NE			. 2		1							. 4	11.7
ENE		2	.4									.6	7.0
E	- 4	1	.2	• 2								1.0	7.1
ESE	. 4	• 1	• 2	• 2								1.0	6.9
SE		. 2	• 1	. 4								.7	9.7
SSE	- 5	. 5	. 4			1						1.4	6.8
\$	. 7	. 8	1.0	.6								3.1	7.1
SSW	.5	1.7	1.7	1.6	.1	1						5.6	8.9
SW	. 7	1.9	2.4	2.0	•6							7.8	9.4
wsw	.6	3.2	6.€	4.9	.2							15.0	9.3
w	1.9	8.6	14.7	4.3	. 2							29.9	8.ú
WNW	. 5	4.9	7.7	1.2	. 2	•1			I			14.6	7.8
NW	. 8	4.2	3.0	. 5								8.5	6.4
MMW	.6	2.2	1.8	. 4	• 2							5.2	6.8
VARBL													
CALM	><	$\times$	$\times$	$\times$	$>\!\!<$	> <	$\times$	$\times$	$\geq$	$\times$	>>	2.3	
	7.8	29.9	40.9	16.8	1.9	. 5						100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 834

USAFETAC AND 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CELBAL CLIMATOLOGY BRANCH SURFACE WINDS L' AFETAC FOR SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS) 2 14 STATION STATION NAME 77.73-81 MAY ALL MEATHER 1800-2000 CONDITION MEAN WIND SPEED SPEED (KNTS) DIR. 17 - 21 N 6.8 4.5 . 3 . 4 NE •6 1.7 . 6 . 4 8.2 ENE • 13 10.0 .1 . 3 E •6 9.4 ESE .6 14.0 SE SSE • 7 10.6 • 1 5 1.8 • 6 •6 1.3 SSW . 4 4 . 1 10.8 2.1 2.2 SW • 6 1.5 8.7 WSW 3.9 3.9 11.3 w 8.7 5.4 1.0 17.3 2.2 6.1 WNW 5.0 3.4 12.8 NW 1.4 6.0 4.3 1.0 12.7 6.4 NNW 3.1 .6 12.6 VARBL 100.0 TOTAL NUMBER OF OSSERVATIONS USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CHERAL CLIMATOLOGY BRANCH
ATETAC
A HAZEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

### SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2 (04)	FILLIAMS AFB AZ	77.73-81		_ MAY
STATION	STATION NAME	*	YEARS	MONTH
		ALL WEATHER		2110-2300
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	5.7	1.		• 3								7.3	2.
NNE	2.3	1.3	. 6	• 5								4.9	4.
NE	1.8	. 3		• 5		}	}		I			2.6	4.
ENE	1.5	• 5	• 3									2.3	3.
E	3.9	2.3	. 3									6.5	3.
ESE	2.3	- 2	• 5									3.6	_ 3 •
SE	3.4	1.3	• 5									5.2	3,
SSE	1.8	. 3	• 3	• 3								2.6	3.
5	1.3	• 3		5 ه								2.6	5.
SSW	. 9	2.3	2.6	1.8								5.0	7.
sw	1.3	2.1	2.6	. 3								0.7	5.
wsw	1.8	1.8	1.6									5.2	5,
w	1.8	. 3	. 8	. 3					}			3.6	4.
WNW	أقعا	3.6	1.6									7.0	5.
NW	2.3	. 5	. 5				L					3.9	_ 3.
NNW	3.6	2.1										5.7	3.
VARBL													
CALM	$\times$	><	><	><	><	$\supset <$	$\geq <$	$\supset <$	$\supset <$		><	22.7	
	33.5	22.2	12.1	4.4								1_6.3	3.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

SE BAL CLIMATOLOGY BRANCH STAFETAC ATT WEATHER SERVICE/MAC

1.00

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

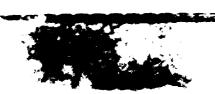
2 4 STATION	ILLIAMS AFS AZ	70.73-81 YEARS	MAY MONTH
		EATHER	ALL HOURS (L.S.T.)
	CON	NDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.3		4	1	1							2.7	4 = 5
NNE	, L	. 4	. 3	• 2								1.3	6.
NE	. 4	• 2	• 3	. 2						[		1.0	٥.
ENE	. 7	• S	• 3	• 1								2.0	4.
E		4.4	1.7	• 6								8.7	5.
ESE	1.7	3.8	3.5	• 3	. 7	• ?						9.3	6.
SE	1.2	2.5	2.2	• 3								5.2	5.
SSE	1.1	1.5	1.1	. 4	• 1	3.						4.3	6.
\$	1.5	1.5	1.3	. 5	. 1							4.9	6.
SSW	1.0	1.5	1.7	1.2	• 2	• 1						5.8	7.
sw	1.1	2.	1.9	1.1	. 2							5.3	. 7.
wsw	1.3	3.3	3.3	1.6	• 1							9.3	7 .
w	1.5	5.1	5.4	1.2	• 1							13.5	6.
WNW	1.1	3.5	2.5	.5	. 1							7.2	6.
NW	. 8		1.5	. 3	2							4.8	. 0.
NNW	1.2	1.7	. 8	• 2	.0							3.9	5.
VARBL													
CALM	$\supset \subset$	$\times$	><	$\times$	><	$\ge$	> <	$\geq$	$\geq \leq$	$\supset <$		8.7	
	13.5	34.7	28.0	8.9	9	2						120.0	5.

TOTAL NUMBER OF OBSERVATIONS

4775





CE - AL CLIMATOLOGY BRANCH FOLTAC # NEATHER SERVICE/MAC

5 49

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION GEE FIRST PAGE

STATION	ILLIAMS AFB AZ	65-70.73-80 YEARS	JUN MONTH
	<del></del>	ALL MEATHER	335-0500 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 . 27	28 - 23	34 - 40	41 - 47	40 - 35	≥54	*	MEAN WIND SPEED
N				4								è	<b>6.5</b>
NNE	<u> </u>		4			L				<u> </u>		1.3	4.3
NE	1.7	a	. 4			I			l			2.9	3.6
ENE	1.7	3.4	, 4				·					3.0	4.6
ŧ	5 1	Z2,3	7.1									45.8	5.1
ESE	2.5	15	8	. 4								27.8	5.6
38		7.4	1.7								]		5.7
SSE	1.1	1.3										î c	3.2
\$	. 4		. 4								1	. 8	20.
55W									[		[		
SW									[	1	T		
WSW													
w	. 4					1					·		2
WWW						T							
NW						T						. 4	2.0
NHW													
VARM			·			1	<b>———</b>		ļ ———	1	1		
CALM	$\times$	>	$\sim$	>	$\times$	> <	> <	> <	> <			5 • €	
	16-1	60.5	18.5	. 8								100.0	5 . 0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC AN 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL SAL CLIMATOLOGY BRANCH CAFETAC A SEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	AILLIAMS AFB AZ	69-73-83 YEARS	
	A	CLASS	600-0800 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	48 - 55	286	*	MEAN WIND SPEED
н			. 3	1								1.2	4.9
NNE												. 1	3.5
NE			. 3					[				. 8	4.7
ENE	. 2	2.1	• 1									3.4	4.1
e i	, 1	15.5	5.5	. 8	• 1							26.3	5.7
ESE		15.5	19.3	1.0								33.3	6.7
SE	1.1	5.5	7.8	1.3								1:.6	0.9
SSE		1.3	1.3	. 1			]					3.3	5.4
\$			. 1	. 1								1.6	3.8
ssw		. :	• 1	. 3								. a	6.6
SW			. 1									.4	6.3
wsw		• :										-1	2.2
w	.:		3				i					à .	i e è
WWW													
NW		. 3										.4	4.5
NNW												1	. 1.C
VARBL													
CALM	$\times$	$\boxtimes$	$\times$	$\times$	$\times$	5.8							
	12.4	41.3	36.1	3.8	. 1							100.0	5.8

AL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

E RAL CLIMATOLOGY BRANCH SELTAC SELTAGRA SELVICE/MAC

## SURFACE WINDS

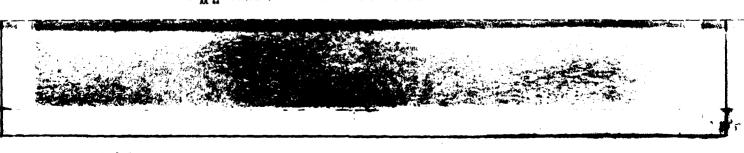
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

	AILLIAMS AFB AZ	69-70.73-80	JUN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1900-1100
		CLASS	HOURS (L.S.T.)
		COMBITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	48 - 88	516	%	MEAN WIND SPEED
N													2.5
NNE			2									. 7	6.3
NE		. 3										9	3.0
ENE		. 2										3	3.7
ŧ	7	1.4	. 7	. 8	1							3.7	7.3
ESE	1.4	3.	2.4	. 9	4.1							7.9	6.6
SE	2.7	4.3	5.5	. 8								13.2	6.1
356	2.7	4.2	2.4	1.2								10.6	6.5
\$	1.2	4.	2.3	1.1	46					T		11.2	6.3
\$\$W	100	2.6	. 8	. 7						T		5 . '	5.5
sw	1.7	2.9	9		1		1	Î	1			5.6	4.6
W\$W	2	3.1	. 7	• 3								5.3	4.7
w	2.4	5.5	1.0				1					8.9	4.5
WNW	1.8	2.3	• 2									4.0	3.6
NW		1.1	- 3									2.4	4.1
NNW	.7	.6										1.2	
VARIAL										1			
CALM	$\times$	$\sim$	17.0										
	23.4	35.4	17.5	5.9	وم							100.0	4.6

TOTAL NUMBER OF OSSERVATIONS

USAFETAC FORM AR 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



CLUBAL CLIMATCLOGY BRANCH . TAFETAC

PERCENTAGE FREQUENCY OF WIND
DIRECTION AND SPEED
(FROM HOURLY OBSERVATIONS)

### SURFACE WINDS

STATION STATION	ATLIAMS AFB AZ		73-80 YEARS	
		ALL MEATHER		1200-1400 Hours (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	24 - 40	41 - 40	# · #	286	*	MEAM WIND SPEED
N	2		3	.2								1.1	7.0
MME	L		2									. 8	5.1
NE								[			·		4.4
EME.	?	. 4	• 6									1.2	٤.6
e e		. 7	• 1		. 1							1.7	4.8
ese			1.2	. 6								2.3	9.3
SE		• 6	1.1	. 6								2.3	٤.7
352	3	ر و و	1.6									3.1	7.3
\$		1.3	2.4	و			<b>†</b>					5.1	6.4
ssw	. 8	2.2	1.7	1.1	. 7					<del></del>		6.9	6.5
SW	8	2.7	3.2			·		·				7.8	7.3
W\$W	1.9	7.4	5.8	ic	• 1							15.2	5.5
w	1.7	11.3	12.3	1.6					<del></del>		·	26.9	6.6
WWW	7	7.0	5.0				<b></b>		<del></del>	<del> </del>		13.2	
NEW	4	2.6	1.3	- 3			<del> </del>		<del> </del>		<del></del>		
NOW	• 2	1.4	.8		<b></b>	<del></del>						307	6.2
YARR				<del> </del>	<del></del>		<del> </del>		<del>                                     </del>			2.4	5.7
												<del> </del>	
CALM	$\setminus$	$\sim$	$\sim$	$\sim$	$\sim$	$\sim$		$\geq$		$\sim$	$\geq \leq$	4.1	
	e a	40.0	37.7	8.0	3.4							100.0	5.7

OTAL NUMBER OF OSSERVATIONS \_\_\_\_\_903

USAFETAC PORM JA 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH OF AFETAC AT CLIMATOLOGY BRANCH OF AFETAC

## SURFACE WINDS

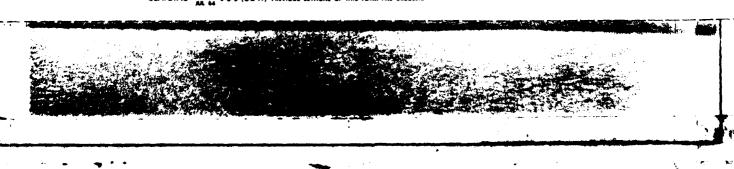
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

-ILLIAMS AFB AZ	69-70.73-80	JUN
STATION NAME	YEARS	MONTH
	ALL WEATHER	1509-1709
· · · · · · · · · · · · · · · · · · ·	CLADO	HOURS (L.S.T.)
	STATION NAME	ALL WEATHER

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 86	<b>5</b> #		MEAN WIND SPEED
N	4	. 6	.2									1.2	4.6
NME	2											2	كمت
ME			.1		- 1							. 2	12.5
ENE		· · · · · ·	• 2		1							. 5	9.5
ŧ			. 5		41							. 6	9.4
ese		5	1.0									1.7	8.4
Ħ			1							I		.2	6.5
358	1	. 4	. 4	4.1								1.0	7.1
\$			. 6	5	1							i a 8	9.3
3\$W	1		1.3	7	4							3.3	10.4
SW	4	7	2.5	1.9								5 a Ü	lús3
WSW	. 3	2.2	4.7	2.3	. 4							13.4	3.8
w	1.2	5.1	18.7	4.5			L					32.4	6.0
WWW	1.2	6.2	12.9	3.9								23.6	6.1
NW	7	3.9	4.3	1.5								9.9	7.3
HOW	. 5	1.0	1.9	. 5								4.8	6.6
VARIA													
CALM	$\times$	$\supset <$	>><	> <	$\boxtimes$	$\times$	$\geq \leq$	$\geq \leq$	> <	> <	><	1.7	
	المنا	25.9	49.6	15.6	1.6	.2						100.0	

TOTAL NUMBER OF OSSERVATIONS

USAFETAC AU 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH L- AFETAC A - MEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 4 STATION	STATION NAME	69-74-73-83 VEARS	Ju'.
		EATHER	1630-2000 Hours (Lis.T.)
	COO	BUTION	

SPEED (KNTS) DIR.	1.3	4.4	7 - 10	11 - 16	17 - 21	22 - 27	20 - 23	34 - 40	41 - 47	<b>a</b> · <b>8</b>	ţ.u	*	MEAN WIND SPEED
N	2.4	2	1.1	. 3								5.9	4.6
NME			. 3	4.1								. 7	7.8
ME					1							1.3	7.7
ENE	1		• 1		. 3							. 9	16.8
			3	. 4								2.3	12.6
tst.				3	آه							العنا	ideC
SE	1	- 5		3					<u> </u>	<u></u>		1.4	9.9
<b>\$\$4</b>										l		. 7	8 4
	1									L			لاءڤ
55W	النا			9	- 3					L	<u> </u>	1.6	12.2
sw	. 4		1.4	1.6	. 3					L		4.	4.6
WSW		1.3	300	1.0		<u> </u>						2.6	5 . 4
w	اعمتا	8.2	8.7	1.4					<u> </u>		<u></u>	24.2	غعف
WWW		6.7	842	1.6						<u> </u>	<u></u>	17.3	7.2
MW	2.9	6.6	7.3	القمل					<u> </u>	<u> </u>	<u> </u>	1443	6.7
NHW	1.9	6.3	4.7							<u> </u>	<u> </u>	1303	6.1
YARR									L	L	L		
CALM	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	3.4	
	12.6	34.1	36.8	10.2	2.3	3	3					100.0	Zati

TOTAL NUMBER OF CESSEVATIONS

USAFETAC JUL 44 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

D. SMAL CLIMATOLOGY BRANCH METAC A: SEATHER SERVICE/MAC

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

USE WITH CAUTION
SEE FIRST PAGE

2 4	HILLIAMS AFB AZ	69-70.73-80	<u></u> U05.
BTATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	2100-2300
	ét.	ASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	2 . 27	20 - 33	34 - 40	41 - 47	40 - 55	256	*	MEAN WHID SPEED
H	L.2	1.2										7.5	2.6
NNE	دّ م1	. 2								[		1.7	2.5
NE	1.7	1	2									2.7	3.5
ENE		• 5		. 2								3.0	3.5
· ·		1.2	. 5	• 2								4.0	4.9
ese	1.7	1.2	. 2									4.2	5.4
M	.2			1.7								4.5	5.9
\$56	. 7		.2									1.3	4.0
8	1.5	. 7	1.0									3.2	4.6
59W		2.2	1.7	1.2						T		5.7	7.5
8W	.7	3.	1.5	• 7		T						6.2	6.4
WW		2.2	1.0	• 2		T						3.5	6.4
W	204	4.2	2.0									8.2	4.5
WHW		3.5	- 5							1		تمف	4.2
NW	2.7	1.7						1		1		4.5	2.5
New	5.2	2.5	.5							1		8.2	3.3
VARIE								1	†	<del> </del>			
CALM	>>	$\times$	$\sim$	25.9									
	32.2	27.7	9.5	9.7				1				100.0	فمذ

OTAL NUMBER OF OSSERVATIONS 421

USAFETAC FORM ARE 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GEOBAL CLIMATOLOGY BRANCH ESAFETAC ASSEMBLE SERVICE/MAC

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	AILLIAMS AFB AZ	69-75-73-80 YEARS	JU!
		ATHER	ALL HOURS (L.S.T.)
	CONE	PITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	1	6	.3	. 1								2.2	4.4
NNE	. 3	• 1	.1	C								.7	5.0
NE	. 5	• 3	• 1	• C								1.0	4.8
ENE	.5	• 7	• 2	.0	• 1	• 1	• ^					1.6	5.8
E	1.3	4.5	1.7	. 4	. 2	• ^						8.4	6.0
ese	. 9	4.4	4.5	• 6	2							10.5	6.7
SE	,	2.3	2.7	.6			. 0					6.5	6.7
SSE	9	1.3	1.1	. 4								3.7	6.1
\$	د منا	1.2	1.2	. 5	. 2				I			٧.1	6.8
35W	. 5	1.2	9	, 7	. 2							. a	7,9
\$W	. 7	1.6	1.6	. 8	. 2			Ĺ				4.8	7.6
WSW	1.0	2.3	2.6	. 8	1		<u> </u>	<u> </u>		<u> </u>		7.2	7.0
w	1.6	6.2	7.3	1.3	تعل					<u> </u>		16.4	6.9
WNW	9	4.1	4.5	1.0							<u> </u>	12.5	7.0
NW	1.1	2.5	2.2	. 5								3.2	6.3
NNW	1.3	1.9	1.2	-1		L				L	<u> </u>	4.2	5.5
VARM					L	L		L			L		
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	8.2	
	14.4	36.1	32.2	7.9	1.1							100.0	6.1

OTAL NUMBER OF OSSERVATIONS 4738

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLIBAL CLIMATOLOGY BRANCH LIAFETAC ATP WEATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DSE WITH CAUTION SEE FIRST PAGE

2 4 STATION	AILLIAMS AFB AZ	69-70.73-80 YEARS	JUL
		EATHER	0300-0500 HOURS (L.S.T.)
	CON	IDITION	

SPEED (KN7S) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	. 8	. 8										1.6	3.3
MME	. 4	. 4										.8	3.0
NE													
ENE	3.9	2.4	.4	. 8								6.5	4.6
E	7.4	13.1	2.9									25.3	4.2
ESE	2.9	12.7	Ú a 1									21.6	5.4
SE	3.7	13.2	3.7	. 8								18.4	5.5
SSE	1.2	2.	1.2									4.5	5.2
\$	.4					i			<b></b>			. 4	2.5
35W	• 3											1.2	3.
5W			. 4							1		. 4	8 . :
wsw		. 4										- 4	5.
w	. 4	. 4										. 8	3.
WWW		. 8	- 4							<u> </u>		1.2	5.3
NW	. 8											.8	2.
NWW	.8		. 4									1.2	4.
VARBL										<u> </u>			
CALM	$\times$	> <	14.7										
	24.5	43.7	15.5	1.6								100.0	4.

TOTAL NUMBER OF OBSERVATIONS 245

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Z j 4 STATION	ATLLIAMS AFB AZ	69-70,73-80 YEARS	MONTH
		ALL WEATHER CLASS	3630-0800 HOURS (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 - 55	256	%	MEAN WIND SPEED
N	. 3	_ 6										9	4.0
NNE	. 4	1	. 4									9	5.4
NE	. 1	. 6	.3									2.0	3.9
ENE	1.8	2.0	. 4									4.2	4.1
ŧ	4.3	10.5	2.4	. 1								17.3	4.8
ESE	2.6	13.6	9.1	U.								25.8	6.1
SE	3.1	8.8	8.7	1.0								21.6	6.3
SSE	1.7	1.8	2.2	. 3								5.9	5.6
\$	9	1.0	. 8									2.8	5.2
SSW	4	1	. 4									. 9	5 o i
sw	3	_ 5	. 3		l				I			1.3	5.5
WSW												. 8	4.2
w	. 5	3										ŝ	2.5
WNW		6										6	40
NW	4	4	1									. 9	4
NNW	6		. 4	1								1.8	4 . 8
VARSL													
CALM	$\times$	$\supset <$	>>	$>\!\!<$	> <	><	><	$\triangleright <$	><	$\times$	><	11.7	
	15.6	42.2	25.3	2.2								100.0	4.8

TOTAL NUMBER OF CESSIVATIONS

USAFETAC PORM U-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

LEGAL CLIMATOLOGY BRANCH
L MEETAC
A REATHER SERVICE/MAC

#### SURFACE WINDS

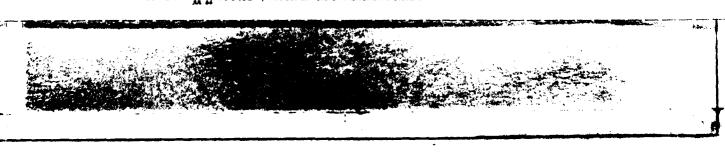
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

24	AILLIAMS AFB AZ	69-70.73-80	JUL
STATION	STATION NAME	YEARS	MONTH
	AL	L WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 . 33	34 - 40	41-0	46 - 55	≥56	*	MEAN WIND SPEED
N	1.2	. 3	. 3									1.9	3.0
NNE	3	. 4	.2	. 1								1.1	5.
NE	. 3	1							<u> </u>			. 4	2.
ENE	1.7	• 2	• 2									1.4	3.
E	1.1	9	. 8	• 2					l			3.0	_ 5.
ESE	1.9	2.9	2.1	. 3								7.2	5.
SE	2.0	4.2	4.2	1.0								11.4	0.
SSE	2.7	3.3	3.8	. 2								15.9	5 .
5	3.3	4.1	1.8	. 1								_ → 3	4.
SSW	1.5	1.3	. 9					l				3.7	4.
SW	2.2	2.9	. 2	. 2								5.5	4.
WSW	1.7	2.9	1.4				L					6	4.
w	3.3	6.4	3.5	1						<u> </u>		12.8	5.
WNW	1.3	3.2	2.1			<u> </u>						7.1	مخ
NW	1.3	1.1	1.4	1								4.3	_ 5
HHW	1.4	. 8	. 4									2.7	4 .
VAROL						I	i						
CALM	$\times$	><	><	><	><	><	$\geq <$	><	$\geq <$	><	$\geq <$	12.2	
	27.1	35.5	22.8	2.4								100.0	4.

TOTAL NUMBER OF OBSERVATIONS 934

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GUCHAL CLIMATOLOGY BRANCH

10.0

#### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 : 4	AILLIAMS AFB AZ	69-70.	73-80	Jul
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER	<del></del>	1270-1400
				HOURS (L.S.T.)
	**************************************	CONDITION	· · · · · · · · · · · · · · · · · · ·	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	£.	. 5		. 2								1.3	5.
NNE	. 4		1									. 6	3.
NE	. 1		. 3									.4	7.
ENE	_ 		• 1					I ' '				• 3	4.
E	. 3	1.1	. 1	•1								1.7	3
ESE		1.2	• 6	- 1	- 1							٤٠3	0
SE		1.2	. 9									2.8	5 (
SSE	- 4	1.4	1.3	. 3								3.5	6
\$	. 3	1.9	2.1	1								4.4	6
SSW	روز	2.2	1.0	• 1			L					4.3	5
5W		2.6	2.5	1	. 2		L					5.5	6
wsw		4.2	4.2	. 7								10.0	t
w	1.5	14.2	15.6	. 7					<u> </u>			72.2	0
WNW		5.4	9.3	9								16.6	7
NW	. 9	2.2	3.4	6								7.1	٥
NNW	. 2	1.3	1.1				L					2.6	5
VARM													
CALM	$>\!\!<$	$\times$	$>\!\!<$	$\times$	$>\!\!<$	><	><	><	><	$\boxtimes$	><	3.3	
	10.2	39.6	42.6				]					153.6	j.

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

-3

## SURFACE WINDS

IF WIND ED TIONS)

73-60 JUL

WONTH

1270-1400

HOURS (L.S.T.)

26 - 33	34 - 40	41 - 47	49 - 55	≥36	*	MEAN WIND SPEED
					1.3	5.2
		Ĺ	<u></u>		.6	3.2
		<u> </u>	<u></u>		.4	70~
					• 3	4.3
					1.7	4.9
				{	∠,3	0.6
					2.8	5.6
					3.5	6.7
					4.4	6.6
					4.3	5.2
					5.5	6.7
					19.0	6.6
					72.2	6.7
					16.6	7.1
					7.1	6.7
					2.6	6.4
					1	
$\times$	$\times$	$\ge$	$\geq \leq$	$\geq \leq$	3.3	
					100.0	6.4

TOTAL NUMBER OF OBSERVATIONS

DE FAL CLIMATOLOGIC ERANCH MILTAC 20 SEATHER SERVICE/MAC

PERCENTAGE FREQUEN
DIRECTION AND
(FROM HOURLY OBSI

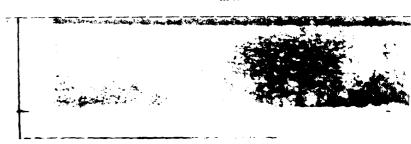
STATION STATION NAME

ALL WEATHE

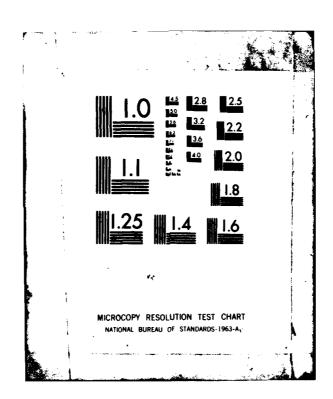
CLASS

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - :
N	i			.1		
NNE	:		2	. 4	1	
NE			. 4	.1		
ENE	.:	- 2	• i			
E		• -	. 4		.11	
ESE	,		. 2	. 4		
SE		• >	. 0			
SSE		. 2	. 7		. 1	
S	. 1	- 4	. e	•2	. 2	
ssw	1	- 5	• £	.6		
sw		1.2	1.0	. 4	.1	
wsw	. 6	2.4	2.9	. 2		
w	2.4	12.6	19.1	3.6	. 1	
WNW		5.0	12.8	5.2	•1	
NW	4	5.4	6.2	2.0		
NNW	.2	1.7	1.4	• 2		
VARBL						
CALM		$\boxtimes$	$\times$	><	$>\!\!<$	$\geq$
	5.1	31.5	47.6	13.4	1.0	

USAFETAC FORM JUL 84 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM A



UNCLASSIFIED		SBI-A0-E850 12	CENTERETC F/G 4/2 F SURFACE WEATHEETC(L 9 NL
2 * 5 *****			



64. CBAL CLIMATOLOGY BRANCH SEAFETAC A'S MEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	AILLIAMS AFR AZ	69-78,73-80	JUL MONTH		
		ALL WEATHER CLASS	1800-2000 HOURS (L.S.T.)		
		CONDITION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	. 4	3	4	1.7	4							3.2	18.5
NNE	.4		1.1	1.3	. 3				<u> </u>			3.2	10.
NE		4	. 4	. 4					l			1.4	9.
ENE			• 8	. 4	• 1				l			1.4	11.
E			. 6	8		4	. 3				L	2.2	17.
ESE	4	• 6	• 7	. 7	• 1	• 3						2.8	10.
SE	•1	1.3	1.1	• 6								3.1	7.
SSE	• 6	. 6	. 6	. 3	. 3							2.2	8.
S	• 6	. 8	1.3	8	.1	• 3						3.9	8.
ssw	• 7	• 4	. 4	1	. 1							1.9	7.
sw	.6	9	1.4	1.4								4.3	9.
WSW	1.8	4	1.8	• 3								7.9	5.
w	2.1	11.3	8.1	4								21.6	6.
WNW	1.5	7.0	5.4	1.4					L	L		15.3	_6.
NW	1.4	5.7	5.4	1.1								13.6	6.
NNW	1.4	5.0	2.1	. 7	. 1					I		9.3	6.
VARBL													
CALM	$\geq <$	$>\!\!<$	>>	$\times$	$>\!\!<$	$\times$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \!$	$\geq \leq$	2.5	
	12.0	38.0	31.6	12.4	2.1	1.1	.3					100.0	7.

TOTAL NUMBER OF CESSIVATIONS

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS PORM ARE OSSOLET

CLCEAL CLIMATOLOGY BRANCH CHAFETAC ASS. WEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS BEE EIRST PAGE

2 C4 mI	"ILLIAMS AFR AZ	69-70.73-80			
STATION	STATION NAME	YEARS	MONTH		
		ALL WEATHER	2100-2300		
		CLA96	HOURS (L.S.T.)		
		CONDITION			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 23	34 - 40	41 - 47	46 - 55	≥34	*	MEAN WIND SPEED
N	1.7	2.5	1.5	. 5								6.2	5.7
NNE	ii		. 5	5								1.0	11.3
NE	. 7	1.5	• 7	.5								3.5	7.1
ENE	.5	• 5										1.0	3.3
E	1.2	1.2	1.0	1.0	• 5	, , ,						4.9	7.9
ESE	2.0	2.2	2.7	1.7								8.6	7.1
SE	2.0	3.0	3.5	1.0								9.4	6.6
SSE	1.0	1.2	1.7	- 5		• 2						4.7	7.2
\$	1.5	2.2	• 7	1.2	. 2							5.9	7.4
SSW	1.3	2.5	1.2	1.2	. 5			-				6.4	8.0
SW	1.0	2.7	1.5	. 2					Î			5.4	6.5
wsw	. 5	2 ,	1.0	• 2								4.4	5.7
w	3.2	4.2	. 5			•2						7.9	4.4
WNW	1.7	1.5	. 5	• 2								4.0	4.8
NW	2.5	1.7										4.9	4.3
NHW	3.0	1.2	. 5		•2							4.9	4.1
VARBL									<u> </u>		<del></del>		
CALM	><	$>\!\!<$	$>\!\!<$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\searrow$	$>\!\!<$	16.8	
	23.5	30.6	18.3	8.9	1.5	5					_	100.0	_5.2

TOTAL NUMBER OF OBSERVATIONS 4.05

USAFETAC PORM AN 0-8-5 (OL-A) PREVIOUS SPITIONS OF THIS FORM AND OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ALP WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104 STATION	HILLIAMS AFB AZ	69-70.73-80 YEARS	JUL MONTH
		ALL HEATHER	ALL HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	24 - 40	41 - 47	48 - 55	≥\$6		MEAN WIND SPEED
N	.6.	• 7	. 3	. 4	.1							2.0	6.3
NNE	. 3		. 4	. 3	1							1.2	8.2
NE	.4	. 3	.3	•1	. 0							1.1	6.5
ENE	.7	• 6	. 3	.1								1.7	5.0
E	1.6	2.9	. 9	• 3	.1	•1	•0					5.9	5.8
ESE	1.2	3.9	2.7	. 5	• 3	.1						8.4	6.3
SE	1.4	3.5	3.1	. 6								8.5	6.3
SSE	1.1	1.6	1.7	•2	. 1	•0						4.7	6.2
8	1.1	1.7	1.2	3	•1	. 5						4.5	6.2
SSW	.8	1.1	.7	. 2	.1	.0						2.9	6.2
sw	.8	1.6	1.1	. 4	.1							4.0	6.6
WSW	1.2	2.7	1.9	•2								5.8	5.9
w	2.1	8.1	8.1	. 8		.0						19.2	6.5
WWW	1.0	4.0	5.3	1.3								11.6	7.2
NW	1.0	2.6	2.9	.6								7.2	6.7
NNW	1.0	1.6	1.0	• 2	۵۵							3.8	5.6
YAROL												1	
CALM	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\bowtie$	><	><	7.6	
	16.0	37.1	31.8	6.6	. 7	. 2						100-0	5.9

TOTAL NUMBER OF OSSERVATIONS 4803

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GETRAL CLIMATOLOGY BRANCH OF AFETAC A'A WEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

## SURFACE WINDS

USE WITH CAUTION BEE FIRST PAGE

TOTAL NUMBER OF OBSERVATIONS

247

2 104	MILL	IAMS AF	B AZ	NAME			69-	70.73-	80	EARS				UG DRTH
		_				ALL WE	ATHER				<del></del>			-0500 (L.s.T.)
		_				CON	DITION				_			
	SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	44 - 55	<b>5</b> 14	%	MEAN WIND SPEED
	N	.4				i							. 4	3.0
[	NNE	.4		. 4				L					. 8	6.0
[	NE	1.2	. 8										2.0	3.8
Ţ	ENE	2.0	2.0					<b>\</b>		· · · ·			4.0	3.6
[	E	6.1	16.6	4.9	. 4								27.9	4,9
[	ESE	2.0	18.6	4 • C	.8								25.5	5.4
[	SE	4.0	7.3	3.6	. 4								15.4	5.2
	SSE	. 4	. 8	. 8									2.0	5.4
[	5	1.2	. 4		. 4		<u> </u>						2.0	5.6
Ĺ	SSW	-4					L						. 4	2.0
L	SW	. 8	. 4	4							L		1.6	4.3
	WSW	<b></b>						<u> </u>						
ļ	W		- 4					<u> </u>					- 4	4.0
Ļ	WNW	4				L	ļ	Ļ					- 4	2.0
Ļ	NW	. 8	- 4			<u> </u>		<u> </u>					1.2	3.7
l.	NNW	. 8	. 4				<u> </u>						1.2	2.7
l.	VARBL	<u></u>			<u> </u>	<u> </u>								
	CALM			$\langle$									14.6	

USAFETAC AA 4 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLORAL CLIMATOLOGY BRANCH US AFETAC ATR WEATHER SERVICE/MAC

### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 34 STATION	*ILLIAMS AFR AZ	69-70.73-80 YEARS	AUG MONTH
		ALL MEATHER	11600-0800 Hours (L.S.Y.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥\$6	%	MEAN WIND SPEED
N		. 1										.1	5.0
NNE	.1	- 5										.6	4.6
NE	. 3	. 6	1									1.0	4.3
ENE	1.6	1.5	.6									3.8	4.0
E	4.3	14.8	5.6	. 3			L					25.0	5.2
ESE	3.1	12.9	11.8	. 5								28.4	6.2
SE	2.1	9.0	6.8	. 6							<u> </u>	18.6	6.1
SSE	.8	1.9	1.3						ļ	ļ <u>.</u>		3.9	5.4
5	.5	. 8	1	41	<u>                                     </u>		<u> </u>				L	1.5	4.9
SSW	1	. 4			ļ						L	.6	6.4
SW	. 3	. 3			ļ						L	.5	3.5
wsw		3	1						ļ	<u> </u>		- 4	5.7
w	. 3											- 3	2.5
WNW	. 3	3_			<u> </u>		Ļ			<u> </u>		- 6	3.8
NW	3	. 8	1		ļ <u> </u>		<u> </u>		<u> </u>				4.6
NNW	3	. 4	1			<u> </u>	L	<u> </u>				. 8	4.3
VARSL						L		L	Ļ				
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$\geq \leq$	><	12.9					
	14.2	44.4	26.9	1.6		I	L					100.0	4.9

TOTAL NUMBER OF COMMUNICATIONS

797

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS STITIONS OF THIS FORM AME OBSOLETE

GLUBAL CLIMATOLOGY BRANCH L'AFETAC ATO WEATHER SERVICE/MAC

### SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1.4	ATLLIAMS AFB AZ	69-70.73-80	_ AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	3900-1100
		GLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	%	MEAN WIND SPEED
N	.1	3										.4	4 . 5
NNE	.6		• 1						L			. 8	3.0
NE	.4	1	. 2						}			.8	4.4
ENE	• 2	• 5	• 1									. 9	4 . 0
E	1.3	1.3	. 8	. 4								3.8	5 . 6
ESE	1.4	4.6	3.7	1.1								10.8	6.7
SE	3.1	7.4	6.9	1.1						Ţ		18.5	6.1
SSE	3.3	7.0	4.0	. 5								14.9	5.5
\$	4.4	3.9	1.7	. 1					l			10.1	4 . 3
SSW	1.4	2.0	. 5	. 1								4.1	4.6
SW	1.6	2.0	.3	1								4.1	4 . 5
WSW	1.8	. 5	. 4	1		Γ						2.9	3.9
w	2.6	4.3	. 4									7.3	4
WNW	1.2	1.7	• 2	• 1								3.2	4 . 5
NW	.9	1.0	. 5									2.4	4.5
NNW	•1	. 3	.3	•1								.9	7.0
VARBL													
CALM	$\supset <$	$\times$	$\times$	$\times$	$\times$	$\supset <$	> <	$\boxtimes$	$\boxtimes$	><	>>	14.3	
	24.5	37.1	20.2	3.8								100.0	9.5

TOTAL NUMBER OF OSSERVATIONS 929

USAFETAC PORM AR 44 0-8-5 (OL-A) PREVIOUS SOTTIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC Alt REATHER SERVICE/MAC

#### SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	LILLIAMS AFR AZ	69-70.73-80	AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
	<u> </u>	GLASS	HOURS (L.S.T.)
	<u> </u>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	. 8	• 2	•2	.1								1.3	4.5
NNE	. 1					[ <u></u>	L					.1	2.0
ME	1	. 1	. 1	. 1				<u> </u>					7.5
EME		. 2										. 2	4.0
ę	. 3	.6	. 4	.1								1.5	6.4
ESE	- 4	1.3	1.0	• 1								2.8	5.8
SE	5	2.0	1.5	1.0	.1							5.2	7.5
SSE	. 9	1.9	2.0	. 3								5.2	6.4
8	2.4	2.7	1.1									6.1	4.6
SSW	1.2	1.8	1.1	. 3						1		4.4	5.7
sw	1.5	2.0	1.3	. 4		Ĩ						5.3	5.7
wsw	1.2	5.6	3.5	• 9								11.2	6.4
w	2.7	14.2		. 4				I	I	I		28.0	6.2
WWW	1.9		6.1	1.0								13.5	6.7
NW	1.0	2.8	2.3	4.2								6.2	5.9
New	1.5		. 5	-1					T		I	3.0	4.3
VARM							I		I				
CALM	> <	$\times$	$\times$	$\times$	$\boxtimes$	$\times$	$\boxtimes$	$\boxtimes$	$\geq$	$\boxtimes$	$\geq \leq$	5.6	
	16.5	81.0	31.8	5.1	.1							100.0	5.8

TOTAL NUMBER OF OSSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM AM DESOLETE

GEUBAL CLIMATOLOGY BRANCH FRAFETAC ARE EATHER SERVICE/MAC

## SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION STATION NAME 99-70.73-80	AUG		
	MONTH		
ALL WEATHER	1500-1700		
CLASS	HOURS (L.S.T.)		
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	. 3	. 8	. 5				Ī					1.6	5.2
NNE		. 2	. 1									. 3	6.7
NE		• 1					<u> </u>					.1	4.0
ENE		• 1										.1	4.0
E	. 1	. 5	• 2	.1	• 1	• 1						1.3	8.9
ESE	• 1	• 2	.1	• 1								.6	7.4
SE	- 1	• 3	.6	• 2	• 2							1.5	9.2
SSE	. 6	. 6	• 5									1.6	5.2
5	. 3	. 9	. 8	•2	• 1	•2						2.7	8.7
SSW	. 2	. 8	.6			• 1				<u> </u>	<u> </u>	1.7	6.9
SW	. 3	1.2	.8	.6				1			_	2.9	6.8
WSW	1.4	4.0	5.5	. 8			<u> </u>		<u> </u>			11.6	6.8
W	1.9	11.9	17.9	2.7								34.3	7.1
WNW	1.6	6.3	11.0	.6						<u> </u>		19.5	7.1
NW	1.4	5.0	5.7	. 8						<del></del>		12.9	6.7
NNW	.6	2.8	2.0	• 2						<u> </u>		5.6	6.3
VARBL	• •											7.5	
CALM	$\times$	>>	>	$\times$	>>	>>	> <	>	>>	$\geq$	>>	1.5	
	9.1	35.8	46.3	6.4	. 5.	. 5						100.0	6.9

ZHOITAVREEZO TO REGINUM JATOT

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM AME OBSOLETE

GLOBAL CLIMATOLOGY BRANCH LS AFETAC A'- > EATHER SERVICE/MAC

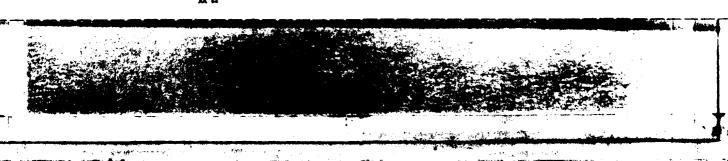
# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1104	AILLIAMS AFB AZ	69-70.73-80	AUS
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1830-2009
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.2	2.2	1.0	3.	. 6							6.8	6.5
NNE	- 3		. 6	4	. 3	. 4				_		1.9	13.3
NE	. 3	. 4	. 3	• 1	. 1							1.2	8.1
ENE	• 4	• 4	• 7	• 3								1.8	7.1
E	- 4	• 1	.6	. 8	. 1	•1						2.2	10.5
ESE	• 3	• 6	. 4	. 4	. 3							1.9	9.1
SE	• 3	. 4	. 4	•1		.1						1.4	8.2
SSE	. 3	. 3	. 8	. 3	. 3			.1				2.1	10.7
\$	1.1	. 4	. 3	• 7	. 4	. 3						3.2	10.1
SSW	• 3	• 7	• 7	• 3							I	1.9	6.9
SW	.8	1.2	1.2	.6	.1	.1						4.2	7.5
W5W	1.7	1.9	1.4	. 4								4.7	5.9
w	2.4	9.0	4.4	. 3								16.1	5.5
WNW	2.9	7.8	7.5	. 4								18.6	6.0
NW	2.4	6.0	6.1	. 6	.1.							15.1	6.3
NHW	3.2	6.2	1.1	. 6								11.1	4.7
VARBL			<u> </u>										
CALM	><	$\times$	><	$\times$	$\times$	> <	$\times$	$>\!\!<$	$\geq$	$\times$	$\geq \leq$	5.7	
	18.4	37.7	27.5	7.1	2.4	1.1		.1				100.0	6.2

AL NUMBER OF CESSITYATIONS 721



GLOBAL CLIMATOLOGY BRANCH . CAFETAC ALC MEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION

2 104	williams AFB AZ	69-70.73-80	AUG
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 23	34 - 40	41 - 47	48 - 55	≥86	%	MEAN WIND SPEED
N	6.1	1.1	. 8	1.3								9.3	4.
NNE	. 8	• 5	• 5	. 5								2.4	7.
NE	1.1	1.1	. 5		•.3							2.9	5.
ENE	1.3	• 5	• 5									2.4	4.
E	1.1	1.9	1.6	, 8	. 3							5.6	7.
ESE	3.2	2.1	1.3	• 5					L			7.1	4.
SE	1.9	2.6	1.9	• 5	. 5							7.4	6.
SSE	1.9	1.6	. 5	. 5	. 3	. 3						5.0	6.
5	1.9	1.1	1.1	1.3	. 3							5.6	7.
SSW	• 3	. 8	. 5	. 5								2.1	7.
SW	1.1	1.9	1.6									4.5	5.
W\$W	• 5	1.3	• 3									2.1	5.
W	1.9	2.9	. 5	.3								5.6	4.
WNW	1.3	1.3	1.1									3.7	5.
NW	.5	1.3	. 5									2.4	4.
HAM	2.9	2.9	.5	. 3								6.6	3.
VARM													
CALM	> <	$>\!\!<$	$\supset \subset$	> <	$>\!\!<$	$>\!\!<$	> <	$>\!\!<$	$\supset <$	$\supset <$	$\times$	25.4	
	27.5	24.9	13.8	6.6	1.6	. 3						100.0	4.

TOTAL NUMBER OF GESSEVATIONS 378

USAFETAC PORM JUL 44 0-8-5 (OL-A) PREVIOUS SOTTIONS OF THIS FORM ARE OBSOLETE

GL 08 AL CLIMATOLOGY BRANCH UN AFETAC

AT AEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 4 STATION	ILLIAMS AFR AZ	69-70,73-80 YEARS	AUC MONTH
		ALL WEATHER CLASS	ALL HOURS (L.S.T.)
	·	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	- 7	. 3	• 2	.1							2.4	5.4
NNE	_ 3	2	• 2	.1	0	1						.8	6.0
NE	. 3	3	. 2	• C	. 3							. 9	5.6
ENE	•6	. 6	3	0								1.5	4.5
E	1.5	3.9	1.6	4	-1	• 0						7.5	5.7
ESE	1.3	4.5	3.2	• 5	6							9.5	6.2
SE	1.5	4.)	3.2	.6	•1							9.4	6.3
SSE	1.2	2.3	1.6	.2	.1	-		0				5.6	6.5
5	1.3	1.7	. 8	. 3	1	-1						_4.8	5.7
SSW		1.1	. 6	• 2		• 0						2,5	5.8
sw	_ 9	1.4	. 8	. 3	2	• 0						3.4	5.8
wsw	1.0	2.3	2.0	4								5.7	6.2
w	1.9	7.2	6.0	. 6								15.7	6.2
WNW	1.5	3.6	4.4	. 4								9.8	6.4
NW	1.1	2.7	2.5	. 3	٢							6.6	6.1
NNW	1.2	2.0	. 7	• 2								4.1	5.0
VARBL													
CALM	$\supset <$	$>\!\!<$	><	> <	>>	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	9.7	
	17.7	38.5	28.4	4.8	. 6	.3		0.0				100.0	5.4

TOTAL NUMBER OF OSSERVATIONS

5) INAL CLIMATOLOGY BRANCH SAFETAC A 1 NEATHER SERVICE/MAC

## SURFACE WINDS

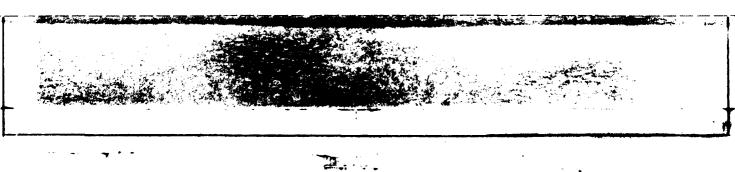
USE WITH A UTION

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	<u> </u>	IAMS AF	B AZ				69-	-70.73-				SEP SEP		
STATION			STATIO	NAME					Y	EARS			м	ONTH
						ALL WE	EATHER						300	-0500
		_				CI	LASS						HOUR	5 (L.9 T.)
		_												
						CON	DITION							
		_												
r			-		r		T	1		г	, ,			
1	SPEED									l <u>.</u>				MEAN
	(KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	WIND SPEED
ſ	N	٥٠	. 4	. 4				İ					1.8	4.5
ľ	NNF													4 7

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	Ģ	. 4	. 4									1.8	4.1
NNE		• 4										4	4.
NE	. 4	. 4		. 4								1.3	7.
ENE	• 2	2.7	. 4									5.3	3.
E	5,4	22.7	3.1	1.3			Ĭ .					35.6	4.
ESE	4.9	10.2	5.3									20.4	5 .
SE	2.7	7.6	. 9									11.1	4.
SSE	1.3	1.8										3.1	3.
5	.9		. 4									1.3	3.
\$5W	. 4											. 4	3.
SW	. 4											. 4	2.
wsw													
*	4		. 4									. 9	6
WNW		4										. 4	4.
NW	4		. 9									1.3	5.
NNW	. 9	£										1.3	3.
VARBL													
CALM	$\supset \subset$	$>\!\!<$	$\supset \subset$	$\times$	> <	> <	$\supset \subset$	> <	$\supset <$	$\supset <$	> <	14.7	
,	24.4	47.1	12.C	1.8								100.0	4.

TOTAL NUMBER OF OBSERVATIONS



GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ASSERVICE/MAC PERCENTAGE FREQUENCY OF WIND

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	WILLIAMS AFR AZ	69-70.73-80	S£P
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> 3600-3800</u>
		CLASS	HOURS (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	. 7	- 4	. 4									1.1	6.1
NNE	. 8	1	. 4					[	·			1.4	4.2
NE	1.8	. 8	. 3					<u> </u>		<u> </u>		2.9	3.1
ENE	3.1	2.2	. 7	• 3				I				6.3	4.2
E	6.3	13.9	6.7	. 8		ļ		L				27.7	5.4
ESE	3.4	14.3	3.4	. 8								27.0	5.9
SE	2.9	6.9	3.1	1		L					ļ	13.1	5.1
SSE	2.5	1.5	1					L				4.1	3.2
<u> </u>	.5	. 5	1					<u> </u>			ļ	1.2	4 . C
SSW		• 1				ļ					ļ	-1	4.0
SW	.5									L		.7	2.4
WSW			1		ļ					ļ		.3	6.5
w	3	3	3		ļ			Ļ		ļ		- 8	5.3
WNW				1		ļ		Ļ	ļ	<u> </u>		-4	6.7
NW	3			1				<u> </u>				- 5	5.8
NNW	. 3	• 5	. 3									1.1	4.9
VARM					Ļ.,				Ļ	Ļ	Ļ,	L	
CALM	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	><	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.4	
	23.2	42.1	21.0	2.3								100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 734

GERBAL CLIMATOLOGY BRANCH RESTAC ARE WEATHER SERVICE/MAC

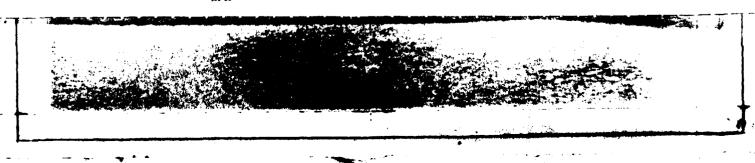
# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

Z 1 4	WILLIAMS AFB AZ	69-70.73-80 YEARS	SEP MONTH
	ALL	WEATHER CLASS	3900-1100 HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	• 5	• 3	1.3			• 1		Ø				1,9	7.1
NNE	.3	• 2										•6	4.0
NE	. 5	. 3	• 1	2				Ĺ		L		1.1	6.2
ENE	.0	• 7	• 3	• 5								2.4	6.0
ŧ	1.5	1.7	3.2	2.7	. 6		]	Γ	T			9.7	9.2
ESE	2.3	4.3	3.3	1.8	. 2	•1						12.1	7.2
SE	2.2	3.1	7.4	• 8	• 2							18.8	6.5
SSE	3.7	4 . Ü	2.7	• 2								10.6	5.1
5	3.7	3.5	1.3	. 5								8.9	4.6
SSW	1.8	1.5	• 1									3.4	3.6
SW	1.7	1.0	• 5									3.2	3.7
WSW	.9	1.3	. 3	-1								2.6	4 . 3
w	1.1	2.2	.5	• 1								3.9	4.7
WNW	1.7	1.4	• 2									2.6	3.8
NW	- 5	1.1	4.1	1								1.8	4.9
NNW	.7	. 6	.1									1.4	4.0
VARSL							1		1			1	
CALM	$\searrow$	$\times$	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\boxtimes$	$\geq$	$\times$	>>	14.8	
	23.2	32.4	21.3	7.1	1.0	2						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS



GEORAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

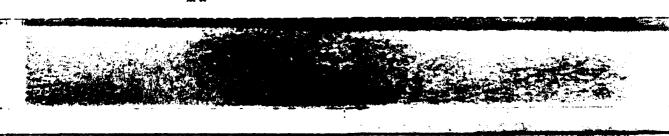
# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	"ILLIAMS AFB AZ	69-70.73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 . 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	- 5	. 5	•2	• 2								1.5	5.5
NNE	.1	7		2	. 2							1.3	9.2
NE	.1	. 2	•2	1		}						.7	7.7
ENE	• 2	9	• 6	• 1								1.6	5.9
E	1	1.4	1.7	1.5	. 7	•1						6.5	9.0
ESE	. 7	. 9	1.5	. 9	. 3	.2						4.6	9.4
SE	. 7	1.1	2.7	1.5		. 2						6.3	8.7
SSE	-6	2.3	2.6	. 9	.1				į			6.5	7.5
5	1.5	4.2	2.3	5								8.4	5.6
SSW	. 6	2.6	1.0									4.2	5.4
SW	1.6	3.2	1.4	.2								6.4	5.4
WSW	2.4	5.9	2.9	1								11.3	53
w	2.7	9.7	7.2									19.6	5.8
WNW	1.5	4.0	2.9						I			8.3	5.7
NW	2.1	2.4	1.0									5.6	4.7
NNW	5	. 8	7									1.9	5.0
VARBL													
CALM	$\boxtimes$	$>\!\!<$	$\times$	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\times$	$>\!\!<$	5.0	
	16.9	6 D a 9	28.9	6.4	1.4	-6						100.0	6.0

LISAPETAC PORM (LES (OL -A.) RESULCES EDITIONS OF THIS PORM ARE ORSOLET



SELMAL CLIMATOLOGY BRANCH F. AFETAC ATH WEATHER SERVICE/MAC

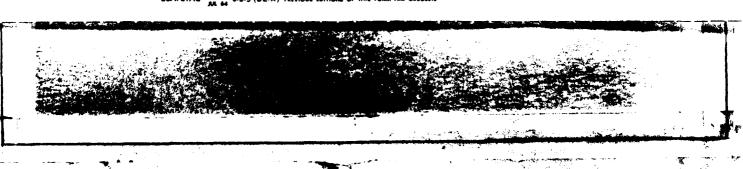
# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	FILLIAMS AFB AZ	69-70,73-80_	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u>1500-1700</u>
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥\$6	%	MEAN WIND SPEED
N	_ 8	9	. 3									1.9	4.3
NNE	.1	. 4	. 1	. 3			. 1					1.0	9.8
NE			• 5	. 4								1.0	10.4
ENE	. 4	• 6	4	• 1								1,5	5.9
Ę	1	1.1	1.3	1.0	. 9							4,4	10.8
ese		3	1.6	1.0	. 3	. 1						3.3	11.1
SE	. 5	9	1.3	.6	-1							3.5	8.2
SSE	1	• 6	1.3	. 3	.1							2.4	8.2
\$	1.0	1.4	. 8	. 3								3.4	5.6
ssw	. 3	1.4	1.0	. 1			.1					2.9	7.4
sw	. 6	1.0	1.5	. 4								3.5	6.6
WSW	. 8	2.3	3.6	. 4								7.0	6.8
w	1.4	14.3	12.9	. 9								29.4	6.5
WNW	1.1	6.9	7.9	. 9								16.8	6.7
NW	8	5.5	4.3	. 5						<u> </u>		11.0	6.4
NNW	1	1.9	2.0				1					4.1	7.4
VARBL													
CALM	$>\!\!<$	$>\!\!<$	> <	$\times$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \!$	$\boxtimes$	$\geq \leq$	3.0	
	8.0	39.4	40.6	7.0	1.4	-3						100.0	6.8

TOTAL NUMBER OF DESERVATIONS 700



GLOBAL CLIMATOLOGY BRANCH US AFETAC ATR WEATHER SERVICE/MAC

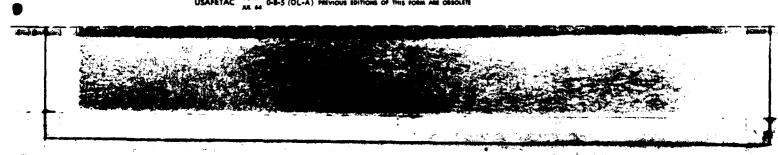
## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	LILLIAMS AFR AZ	69-70.73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL NEATHER	1808-2000
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥84	%	MEAN WIND SPEED
M	1.5	2.	1.2	3								5.1	5.3
NNE	1.1	. 8	. 2	. 6		2						3.1	9.6
NE	. 9	- 5	. 3	.2	• 2							2.0	5.7
ENE	.6	• 6	1.2	• 5		• 2						3.1	8.5
E	-6	1.4	1.1	1.5	5							5.1	9.2
ESE	. 9	1.1	1.1	. 5	. 3							3.8	7.2
SE	3	. 6	1.1	. 6								2.6	7.9
SSE	. 3	8	- 5	. 5		.2						2.1	8.0
S	.9	. 2	. 6	. 3		. 2				[		2.1	7.1
SSW	. 3	1.1	. 5									1.8	5.7
SW	1.1	1.1	. 8	. 2								3.1	5.5
wsw	1.5	1.7	9									4.1	5.0
W	2.8	7.4	1.4									11.5	4.7
WNW	4.3	5.1	2.8	. 3	2							12.6	5.C
NW	3.1	7.1	3.7			2						14.0	5.3
MMW	4.3	5.2	2.0	.2								11.7	4.6
VARBL													
CALM	><	> <	$\times$	$>\!\!<$	$>\!\!<$	>>	$>\!\!<$	$>\!\!<$	$\geq <$	$\ge$	$\geq \leq$	12.3	
	24.5	36.3	19.2	5.5	1.1	А	3					100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 6.5.2



CLURAL CLIMATOLOGY BRANCH CLAFETAC A': \*EATHER SERVICE/MAC

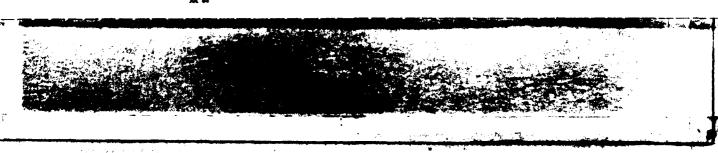
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

# SURFACE WINDS USE WITH CAUTION SEE EIRST PAGE

204	ILLIAMS AFB AZ	69-70.73-80	SEP
MOTATE	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
	<del></del>	CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	286	%	MEAM WIND SPEED
N	4.2	3.2	. 6	. 3		• 3						8.7	4.7
NNE	2.3	1.3	1.9	• 3								5.8	5.
NE	1.0	1.3	. 6									2.9	4.
ENE	3.2	. 3	• 6					L				4.2	3.
E	6.8	5.2	3.9	. 6	. 6	. 3						17.5	6.
ESE	5.2	4.2	1.3	. 3	. 3							11.3	4.
SE	2.3	1.9	1.3									5 <b>. 5</b>	4 .
SSE	.6	• 3	1.3								l	2.3	5.
\$	• 3	. 6	• 3		. 3							1.6	7.
ssw	. 6	•6	• 6									1.9	5.
SW	.6	2.3	1.0									3.9	5.
WSW		1.3	. 3	. 3								1.9	6.
w	1.0	. 6	. 6								<u> </u>	2.3	4.
WNW	- 6	. 5										1.3	3.
NW	1.9	2.6	. 3	. 3								5.2	4.
NNW	2.3	. 6									<u> </u>	2.9	2.
VARBL													
CALM	$\supset \subset$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	><	><	><	20.7	
	33.0	27.2	14.9	2.3	1.3	-6						100.0	4.

TOTAL NUMBER OF OSSERVATIONS



GLOBAL CLIMATOLOGY BRANCH LS AFETAC AIR REATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1.14	AILLIAMS AFR AZ	69-70.73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		GLASS	HOURS (L.S.T.)
	<del> </del>	COMPLICAN	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56		MEAN WIND SPEED
N	.9	. 9	.6	.1		. 3						2.6	5.4
NNE	. 6	- 5	. 2	2		n.	1					1.6	7.
NE	6	4	. 3	• 2	. 0							1.6	5.
ENE	1.2	1.0	.6	• 2		• 0						3.1	5.
ŧ	2.6	4.8	2.9	1.5	. 5	.0						12.2	6.0
ESE	1.9	4.4	3.1	. 9	•2	•1						10.7	6.
SE	1.5	3.7	3.0	. 7	.1	• 1						9.0	6.
SSE	1.4	1.8	1.5	3	.0	.0						5.1	5.
\$	1.5	1.9	1.0	. 3	c	.0						4.7	5.
35W	. 6	1.3	. 5	0			.0					2.5	5.
SW	1.1	1.3	. 8	• 1								3.4	5.
WSW	1.7	2.2	1.5	• 1								4.8	5.
w	1.5	6.0	4.1	• 2								11.9	5.
WWW	1.4	3.1	2.4	• 2	.0							7.2	5.
NW	1.3	2.9	1.6	• 2		• 1						6.0	. 5.
HHW	1.1	1.5	. 9	.0			Ω					3.5	5.
VAROL			•										
CALM	$\times$	$\times$	$\supset <$	$\times$	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	$\supset <$	> <	10.2	
	23.2	37.9	24.9	5.3	1.0	. 4	.1					100.0	5.

TOTAL NUMBER OF CESSRYATIONS 4469

SEURAL CLIMATOLOGY BRANCH USAFETAC ATH MEATHER SERVICE/MAC

## SURFACE WINDS

USE WIT! CAUTION SEE FIRST PAGE

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 9	"ILLIAMS AFB AZ	69-70.73-80	
STATION	STATION NAME	YEARS	MONTH
		ALL SEATHER	0300-0500
	<del>-</del>	CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N		1.3	-				Ĺ					1.3	4.7
NNE		. 4							I			-4	5.0
HE	1.3	1.7										3.0	3.7
ENE	3.4	5.1		. 4								8.9	4.1
E	12.3	21.3	3.8					<u> </u>				37.4	4.3
ESE	5.1	11.5	4.7	. 4								21.7	5.2
SE	3.0	3.4	2.6	. 4								9.4	5.2
SSE	. 9	. 9										1.7	3.5
\$	. 4	. 9	. 4									1.7	5.3
\$5W		. 4	9									1.3	8.0
sw	.4		.9									1.3	7.7
WSW	- 4											4	2.0
w		- 4							<u> </u>		<u> </u>	-4	4.5
WNW	.4	. 4										.9	4.0
NW			4			1			<u> </u>			.4	7.3
NWW													
VARBL						1						1	
CALM	>>	$\times$	9.8										
	27.7	87.7	13.6	1.3								100.0	4.2

OTAL NUMBER OF CESSERVATIONS

GLUBAL CLIMATOLOGY BRANCH US AFETAC ATT REATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

L	IAHS AF	B AZ	N NAME	69-70.73-80 YEARS								OCI MONTH	
	_	ALL WEATHER CLASS										-0800 • (L.s.T.)	
		CONDITION											
SPEED (KNTS) DIR,	, ,	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	, , ,	• 7	• 1									1.2	4.6
NNE		• 7	. 3									. 9	6.1
NE		.1	. 3									1.4	3.4
ENE	2.2	2.0	• 1									4.3	3.7
2	_8.5	16.8	3.5	. 3								29.0	4.6
ESE	4.9	13.3	6.0	• 1								24.3	5.1
SE	3.1	7.7	3.3	. 8								14.8	5.5
SSE	1.3	1.8	- 4									3.5	4 . D
\$	.5	9	• 1	.1								1.7	4.9
SSW	. 4	. 4										- 9	4.4
SW	. 3	. 3	7									1.2	5.9
WSW		4	. 4									. 8	6.7
w	. 3	-1										- 4	3.5
WNW	. 5											5	2.0
NW	. 4		1									.5	3.5
NNW	.1	. 1										• 3	4.0
VARDL													
CALM		$>\!\!<$	> <	> <	> <	> <	$\supset <$	> <	$\supset <$	$\supset <$	>	14.3	

GLUBAL CLIMATOLOGY BRANCH USAFETAC AT . WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	williams afb az	69-70.73-80	OCT
STATION	STATION NAME	YEARS	MONTH
		ALL HEATHER	0900-1100
		CLASS .	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥84	%	MEAN WIND SPEED
N	• 7	• 2	. 2	. 3	.1							1.6	7.0
NNE	. 7	. 8	. 3	•2								2.0	5.6
NE	. 4	• 7	• 2	. 3								1.7	6.3
ENE	1.2	•6	.7	. 4								2.9	5.9
E	1.7	2.2	1.6	17	•1							7.2	7.4
ESE	2.3	3.8	3.8	1.6	• 2							11.6	6.8
SÆ	3.4	6.2	3.9	1.1	•1							14.7	6.0
SSE	2.5	3.4	2.1	.6	•1							8.7	5.5
\$	2.9	1.7	. 8	-4					1			5.6	4.7
\$5W	1.1	• 1	• 7	. 4	[							2.3	6.4
sw	1.4	1.0	. 7		- 1							3.8	6.3
wsw	1.0	1.8	• 2	1								3.1	4.6
<b>w</b>	2.1	1.8	1	•2						Ī		4.2	4.1
WNW	1.8	• 7	4	.1								3.0	3.7
NW	1.3	. 3										2.0	3.9
New	.6	. 3	.1								1	1.0	3.9
VAROL											ļ		
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	$>\!\!<$	$>\!\!<$	$\times$	$\geq \leq$	$\boxtimes$	$>\!\!<$	24.6	
	25.0	25.5	16.1	8.1	. 8							100.0	4.4

TOTAL NUMBER OF OSSERVATIONS 9.23

GLOBAL CLIMATOLOGY BRANCH US AFETAC ATP WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 164	"ILLIAMS AFR AZ	69-70.73-80	ост
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.Y.)
		CONDITION	

SPEED (KN7S) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	4 - 55	≥54	%	MEAN WIND SPEED
N	.6	1.2	. 4	•2	.1							2.5	5.9
NNE	. 4	. 4	. 4	• 2				L				1.6	6.9
NE	. 8	2	. 6	_1		1			L			1.8	5.6
ENE	. 8	. 7	1.2	• 2	• 1							3.0	6.6
£	1.0	1.2	1.2	.9	• 2	.1						4.7	7.9
ESE	1.2	1.6	1.8	1.3							•	5.9	7.3
SE	.6	1.1	2.G	.7								4.3	7.3
SSE	1.0	2.2	1.0	.2								4.4	5.6
\$	.2.3	2.5	1.7	.6	.1	_						7.2	5.6
SSW	2.4	1.7	1.4	.2		. 1						5.9	5.6
SW	1.6	2.2	1.6	.7	.1	.1	1					6.2	6.6
WSW	3.7	3.1	2.0	. 4				<u> </u>				9.2	4.9
w	4.7	6.4	3.7	. 8	. 3	•2		T	T			10.1	5.8
WNW	1.9	2.5	1.2	.1	-							5.8	4.7
NW	. 8	1.4	. 9	.1					<u> </u>			3.2	5.4
NNW	1.3	9		.1								2.5	4 • C
VARM							<u> </u>		<del>                                     </del>				
CALM	$\boxtimes$	$>\!\!<$	$\times$	$\times$	>>	> <	$\times$	$\times$	>	> <	$\times$	15.8	
	24.9	29.5	21.3	6.9	1.0	. 7		L				100.0	5.0

TOTAL NUMBER OF DESERVATIONS 903

GLURAL CLIMATOLOGY BRANCH USAFETAC Ale Reather Service/Mac

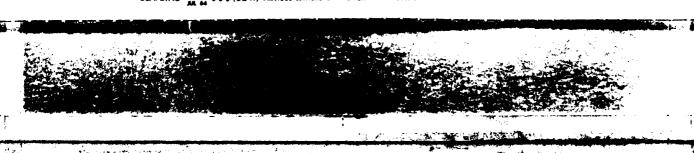
## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	MILLIAMS AFB AZ	69-70.73	3-80	007
STATION	STATION NAME		YEARS	HTHOM
		ALL WEATHER		1500-1700
	<del></del>	CLASS		HOURS (L.S.T.)
		<u> </u>		

SPEED (KNTS) DIR,	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	• 5	.7	•1	1	•2						2.8	7.3
NNE	.6	. 6	.7	• 1	1							2.2	6.9
NE	- 5	. 6	.1	4								1.6	6.5
ENE	.6	1.0	• 7							I		2.3	5.5
E	.2	1.2	1.1	•1								2.7	7.0
ESE	. 4	. 7	1.7	• 2	•1				Ĺ			3.2	7.8
SE	. 7	. 9	1.5		• 1	•1						3.3	7.4
SSE	. 5	1.0	1.2		. 1							2.8	6.6
\$	1.6	1.3	1.0	. 4						ł		3.3	5.9
SSW	. 6	1.3	•5	• 2	• 1							2.8	6.0
SW	1.2	1.8	1.3	1.0		•1	.1					5.6	7.7
WSW	1.2	4.4	3.4	. 4	•1							9.5	6.4
w	3.5	15.0	8.5	.6	• 2	. 1						28.0	6 • C
WNW	2.1	7.2	3.5	. 4		•2						13.4	6.1
NW	1.8	4.3	2.4		• 1							8.7	5.6
NNW	• 5	1.7	.5	•1	.1							2.9	6.2
VARBL													
CALM	><	$>\!\!<$	$\times$	> <	>>	$>\!\!<$	$\times$	$>\!\!<$	> <	$\geq \leq$		4.9	
	16.6	43.2	29.0	4.0	1.3	وم	1					100.0	b.O

TOTAL NUMBER OF OSSERVATIONS 820



GEUSAL CLIMATOLOGY BRANCH L'AFÉTAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 134	wILLIAMS AFR AZ	69-70.73-8ú	OCT
STATION	STATION NAME	YEARS	MONTH
		ALL MEATHER .	1800-2500
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	3.7	1.2	4	1			Ì	-				5.4	3.5
NNE	1.9	1.3	4	1				!				3.8	4
NE	9	1.2	• 1		. 1	]	]					2.4	4.
ENE	1.8	1.9	• 3	• 3								4.3	4.0
ŧ	3.2	2.8	• 6	. 4								7.1	4.
ESE	1.3	1.6		• 1								3.1	4 . (
SE	•6	2,4	• 1									3.1	4 . 9
SSE	. 9	. 6	. 4									1.9	4 .
\$	1.2	• 6	• 1	• 1								2.1	4 . ;
\$5W	• 3	• 3	. 4	• 1								1.2	6.
SW	• 1	• 3	. 3	•1								.9	8.
WSW	1.6	1.2	1.0	• 3			i	<del></del>				4.1	5.
w	5.4	5.€	1.2	• 1	• 1							11.9	4.
WNW	5.0	2.8	. 6	• 1	. 4							9.0	4 . !
NW	2.2	2.9		1								5.3	3.8
NHW	3.2	2.6	. 3		.1							6.3	3.4
VARBL		<del></del>	·····							<u> </u>	<u> </u>		
CALM	><	$>\!\!<$	$\times$	$\times$	$\geq \leq$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq$	$\geq \leq$	28.2	
	33.4	28.7	6.5	2.4	. 9							100.0	3.

TOTAL NUMBER OF OBSERVATIONS

DESHAL CLIMATOLOGY BRANCH DEETAC AT WEATHER SERVICE/MAC

## SURFACE WINDS

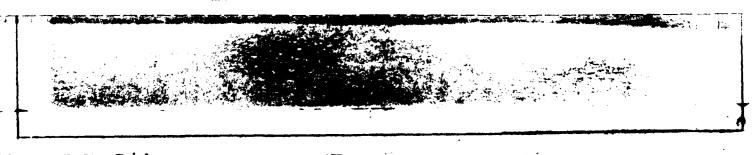
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2.4	_AILLIAMS AFB AZ	69-70,/3-80	DCT
STATION	STATION NAME	YEARS	MONTH
		ALL HEATHER	<u> 2110-2330</u>
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7		.6									1.6	4.4
NNE	1.3	• 3				I	I					1.6	2.4
NE	1.6	1.9	. 6	.3						_		4.5	4.5
ENE	3.8	1.6					J				1	5.4	2 . 8
E	7.6	6.7	1.6								1	17.9	3.6
ESE	7.4	7.4	1.3									16.0	3.8
SE	5.1	4.5	1.3									15.9	3.8
SSE	2.9	2.6	_ , 3	• 3								6.1	4.2
\$	2.6	. 3										3.2	2.8
ssw	• 3	• 3	1.0	• 3								1.9	6.7
SW		1.										1.0	4.0
WSW	. 3											• 3	3.0
w	. 3	• 6	1.3	. 3								2.6	7.5
WNW	. 3	. 3										6	3.5
NW	. 3	1.		.3								1.6	5.8
NNW	. 3		. 6									1.3	6
VARBL							t	T					
CALM	$\times$	$\times$	$\times$	$\geq <$	$\geq$	$\times$	$\times$	$\boxtimes$	$\geq$	$\geq$	><	23.7	
	37.2	28.5	9.0	1.6								130.0	1

TOTAL NUMBER OF OBSERVATIONS



DE BAE CLIMATOLOGY BRANCH - US AFETAC ATTOLICATION SERVICE/MAC

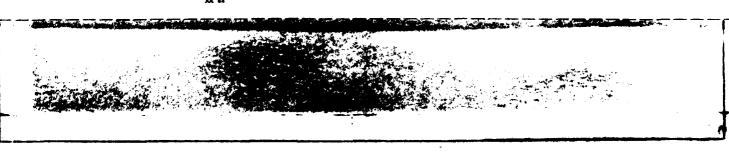
# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	ATLLIAMS AFR AZ	69-70.73-8C	OCT MONTH
		ALL WEATHER CLASS	ALL HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	ia i	7	. 4	• 2	.1	. O						2.5	5.3
NNE	. 7	. 7	. 4	.1	٥							1.9	5 • 5
NE	. 8	• 7	. 3	• 2	. 2	0						2.0	5.
ENE	1.5	1.4	•6	• 2	• 0							3.7	4.1
E	3.7	5.6	1.7	• 6	• 1	• 11						11.8	5.
ESE	2.5	4.7	2.7	.7	• 1					Ĭ		13.7	5.
SE	₹•5	3.7	2.2	• 5		. 71					i	3.4	5.
SSE	1.4	1.9	1.0	• 2	• 3				1			4.4	5.
5	1•6	1.3	• 7	• 3	C							4.0	5.
SSW	• 9	• 7	• 7	• 2	• 🗅	.0						2.6	5.
SW	. 9	1.1	.9	. 4	. 3	• 5			<u> </u>			3.4	6.
wsw	1.4	2.5	1.3	• 2	• 7		\ *		•			4.9	5.
w	2.2	5.1	2.5	. 3	. 1				i	<u> </u>		13.9	5.
WNW	1.9	2 4	1.	. 1	.1	• (1)					<b></b>	5.6	5.
NW	1.1	1.6	.7	.1	D							3.5	4.
NNW	1.0	1.0	.2	.0	• 3					t		2.3	4.
VARBL			-	•				<del></del>	<del></del>	<u> </u>	<u> </u>	<del> </del>	
CALM	>>	$>\!\!<$	$\times$	> <	> <	> <	>>	> <	$\supset <$	> <	> <	17.4	
	25.5	34.5	17.2	4.4	• 7	. 3	0					100.0	4.

TOTAL NUMBER OF OSSERVATIONS 4622



CECTAL CLIMATOLOGY BRANCH SOFETAC A FRATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND

DIRECTION AND SPEED

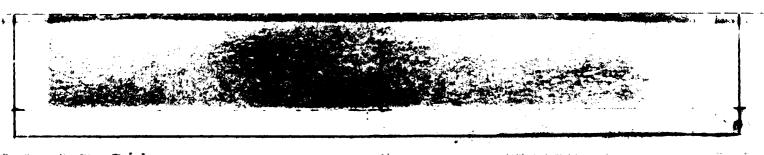
(FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

i. 4	will	TAMP VI	- B A Z				69.	-/0,/3	- B J		_		N	υ V
STATION			STATIO	NNAME					Ý	EARS			м	ONTH
						ALL WE	EATHER						<u> </u>	-6500
		_			•	C	LASS	,					HOUR	s (L.S.T.)
		_												
						CON	DITION							
		_		<del> </del>										
r			<del></del>			<del>                                     </del>		1	T	1	· · · · · ·			
	SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	17 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
Ì	N			.9								i	• 9	9.0
Γ	NNE			- 5	1		1		1				- 5	8.00

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N			. 9									, 9	9.0
NNE			• 5								1	•5	8.0
NE	1.8	1.8									l	3.7	3.6
ENE	2.8	3.2	• 5								1	6.4	3.9
E	13.3	15.6	3.2					1			1	32.1	4.1
ESE	4.1	11.5	1.4							1		17.0	4.6
SE	. 9	8.3	• 9								1	10.1	4.7
SSE	1.8	. 9	•									2.8	3.3
S													
SSW	. 5				.5					<b></b>		. 9	11.6
SW			5									.5	9.C
wsw		. 5										- 5	4
w	5											.5	
WNW	l			· · · · · · · · · · · · · · · · · · ·				· · · ·					
NW						1						1	
NNW	- 5					1						.5	3.0
VARBL								<b>—</b>		1			
CALM	$\supset <$	$\times$	$\mathbb{X}$	$\times$	> <	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	$\supset \subset$	$\supset <$	23.9	
	26.1	41.7	7.8		.5							100-0	3.3

TOTAL NUMBER OF OSSERVATIONS



BLOBAL CLIMATOLOGY BRANCH S SAFETAC A S AEATHER SERVICE/MAC

## SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 104	WILLIAMS AFR AZ		<u>e</u>	Nov
STATION	STATION NAME		YKARS	MONTH
		ALL WEATHER		<u> 1600-0800</u>
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$6	*	MEAN WIND SPEED
N	. 3	. 1										- 4	3.0
NNE	7	5	.1									1.4	3.7
NE	. 3	1.	. 5			l			<u> </u>			1.8	5.4
ENE	3 • 3	3 • ∋	• 7	<u>.</u> 4			L					7.4	4.2
E	13.5	15.3	1.6	.1			L					27.7	4.0
ESE	6.8	13.4	4.2							<u> </u>		24.5	4.7
SE	2.3	5.6	2.1									11.0	4.8
SSE	1.0	1.1	- 5									2.6	4.3
5	1.1	. 4				.1	1			l		1.8	6.5
SSW _	. 3	1	. 1			• 1						• 7	8.2
SW	. 1	. 3	7					L				1.1	7.4
WSW	- 1		.1									. 3	6.5
w	3	. 3	-1									. 7	4.4
WNW	i			1								. 1	12.0
NW	4		1									. 5	4.0
NNW	.5		1									. 7	3.4
VARBL						l							
CALM	$\supset <$	$>\!\!<$	$\geq <$	><	><	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	17.4	
	28.1	42.2	11.2	.7		. 3						100.0	3.7

TOTAL NUMBER OF OSSERVATIONS

73

TO HAL CLIMATOLOGY BRANCH ATETAC

JEATHER SERVICE/MAC

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

2 124 _	"ILLIAMS AFB AZ	69-70.73-80		NGV
STATION	STATION NAME	YEAR	8	MONTH
		ALL WEATHER		0900-1160
		CLASS	<del></del>	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	.7	5	. 4	•1	•1							1.8	5.9
NNE	. 7	. 7	• 2	. 4								2.0	5.5
NE	.7	. 4	• 2									1.3	4.0
ENE	.9	. 7		. 4	• 2							2.2	6.6
£	2.8	1.5	. 8	1.1	4							6.5	6.4
ESE	2.8	4.3	2.1	.8								10.0	5.5
SE	2.6	6.3	2.7	. 5								12.0	5.3
SSE	2.7	2.1	1.3	.2								6.3	4.6
\$	2.2	1.9	. 8	.1								5.0	4.5
ssw	1.5	1.3	. 1	. 4					I			3.3	4.5
SW	1.1	5	. 9	. 6	1							3.2	6.7
WSW	1.3	9	5	. 4	1							3.2	5.9
w	2.6	1.3	. 4	. 1								4.3	3.7
WNW	1.3	7	. 2	. 4								2.6	5.0
NW	1.1	5	2									1.8	3.7
NNW	1.3	• 2										1.5	2.8
VARBL													
CALM	><	$\times$	$\times$	$\times$	> <	$\times$	$\times$	$\times$	$\geq$	$\times$	><	33.1	
	26.1	23.7	10.9	5.3	. 9							100.0	3.5

OTAL NUMBER OF OBSERVATIONS 857

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

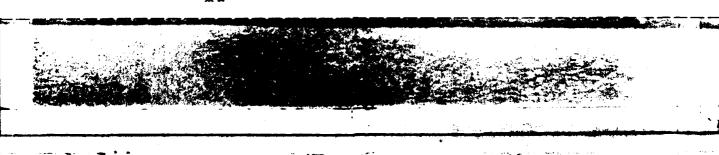
# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	ILLIAMS AFB AZ	69-70.73-83	Nov
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> 1200-1400</u>
		CLASS	HOURS (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	. 7	1.2	. 6									2.4	4.
NNE	. 5	. 8	. 9	•1								2.3	Ď.
NE	. 3	• 9	• 2	. 3		1						1.9	6.
ENE	.8	• 2	.8	• 5								2.3	7.
E	1.0	1.4		.7	• 3	• 1	ļ					5.8	8.
ESE	5	. 7	1.4	.6								3.1	7.
SE	.1	• 5	1.2	. 7	• 1							2.6	9.
SSE	• 5	1.5	.5	2					1			2.9	6.
\$	1.4	1.7	. 8	. 1						· · · ·	•	4.1	5.
SSW	1.6	1.9	• 5	. 3					† · · · · · ·	1		4.3	4.
SW	2.0	1.7	.6	. 8	• 2				1			5.4	6.
wsw	2.4	2.6	1.4	.6	• 1							7.1	5.
w	3.8	6.1	1.9	• 2	• 1							12.1	4.
WNW	4.2	4.4	1.0	•2								9.9	4.
NW	2.1	1.3	.6	•1	.1							4.2	4.
NNW	1.9	• 3	• 5	• 2					<u> </u>	1		2.9	4.
VARM	- ^ • · · ·		• •						1				
CALM	>>	>	$\times$	$\times$	$\times$	$>\!\!<$	$\times$	> <	> <	$\sim$	>>	26.7	
	23.9	27.2	15.0	5.8	1.3	- 1					<del></del>	100.0	4.

TOTAL NUMBER OF OBSERVATIONS 850



SULPAL CLIMATOLOGY BRANCH CLASSIAC AT REATHER SERVICE/MAC

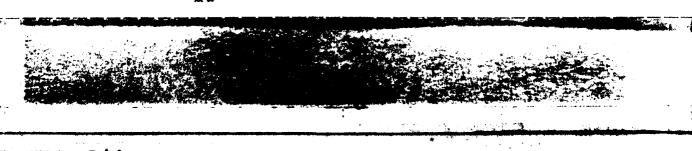
# SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1.4	"ILLIAMS AFB AZ	69-70.73	S-80	NOV
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1500-1700
	<u> </u>	CLASS	-	HOURS (L.S.T.)
		********		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥#	*	MEAN WIND SPEED
N	1.1	1.7	1.5									4.3	5.4
NNE	6	- 5	. 3	1								1.5	4.
NE	1.0	. 5	.1									1.7	3.
ENE	1	. 5	. 4	. 1					ì			1.4	7.
E	. 8	2.0	1.9	• 3	. 5							5.5	.7.
ESE	4	1.0	1.0	4								2.8	7.
SE	6	• 6	. 8	. 8								2.8	7.
SSE	. 9	. 9	. 3	. 3								2.3	5.
S	1.4	. 8	. 6									2.8	4.
SSW	.9	. 5	. 3	. 3	- 5							2.4	8.
SW	9	1.3	.6	1	•1							3.1	6.
WSW	1.5	4.5	1.0	. 5	. 4							7.9	6.
w	5 مان	12.9	4.6	1.1	. 3							25.4	5.
WNW	3.1	7.4	1.9	. 8	3					1		13.4	5.
NW	2.7	2.7	1.7									7.0	4.
NNW	_1.5	1.3	. 8	. 3								3.8	5.
VARSL													
CALM	$\times$	$>\!\!<$	$\times$	$>\!\!<$	$\times$	$>\!\!<$	><	$>\!\!<$	> <	$\supset <$	>>	12.0	
	24.1	39.2	17.7	5.0	2.0		-					100.0	5.

TOTAL NUMBER OF OSSERVATIONS



GLOBAL CLIMATOLOGY BRANCH ON AFETAC ALL SEATHER SERVICE/MAC

# SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 . 14	AILLIAMS AFB AZ	69-70.73-80	NOV
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1800-2300
	<del></del>	CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	×	MEAN WIND SPEED
М	1.9	1.6	• 2								1	3.7	3.6
NNE	1.5	1.3	. 2									2.9	3.4
NE	1.9	4.0	. 3									6.3	3.9
ENE	2.9	4.0	• 3	• 2								7.4	3.9
E	5.0	3.4	1.0	. 8								10.2	4.5
ESE	1.9	1.8	. 8									4.5	4.1
SE	1.8	1.3	3									3.4	4.C
SSE	1.1	• 2	• 2									1.5	3.3
5	1.3	. 5	• 2	• 2								2.1	4.2
ssw	1.7	• 2	• 2	.3	. 2							1.8	6.6
sw	• 5	. 5	• 2									1.1	4.3
w\$W	1.0	1.1	• 2									2.3	3.8
w	3.7	2.3	. 6	. 6								7.3	4.4
WNW	2.1	2.4	3									4.8	3.8
NW	1.5	• 6	• 2									2.3	3.3
NNW	3.1	1.3	. 3									4.7	3.4
VARSL													
CALM	$>\!\!<$	$>\!\!<$	$\times$	$\times$	$>\!\!<$	><	$>\!\!<$	><	><	><	$>\!\!<$	33.8	
	32-1	26.5	5.3	2.1	. 2							100.0	2.1

AL NUMBER OF CESERVATIONS 619

GUBAL CLIMATOLOGY BRANCH US AFETAC ATT WEATHER SERVICE/MAC

# SURFACE WINDS

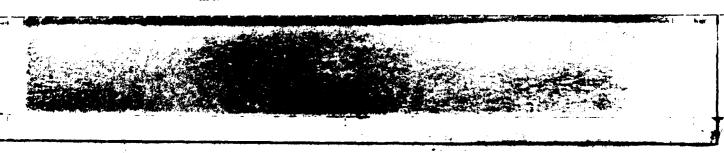
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2 174	WILLIAMS AFB AZ	69-70.73-83	N C V
		ALL WEATHER	2109-2300 HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥#	*	MEAM WIND SPEED
N		. 4										. 4	4.0
NNE	. 4		. 8									1.2	6.3
NE	. 8	3.2	.4									4.5	5.1
ENE	1.2	3.2	• 8									5.3	4.6
ŧ	12.1	14.6	1.6	. 8								29.1	3.9
ESE	8.9	13.1	1.6									23.6	3.9
SE	5.3	5.3						T	]			10.5	3.3
SSE	2.0	2.0	1.2								- ·	5.3	4 . 8
5	1.2	1.2										2.4	3.2
SSW		- 8	1.2	. 4								2.4	6.8
SW													
WSW		4										.4	5.6
w		4										- 4	400
WNW													
NW		ο Ω	. 4									1.2	. 5.7
NNW	.4					ĺ		1				.4	2.
VARBL				<u> </u>				1					
CALM	$\supset \subset$	$\mathbb{X}$	> <	$\supset <$	$\supset$	> <	$\supset \subset$	$\supset <$	$\supset <$	> <	>>	15.8	
	32.4	42.5	8.1	1.2								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS



GEREAL CLIMATOLOGY BRANCH C AFETAC AT WEATHER SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 4	AILLIAMS AFR AZ	69-73.73	-8.3	NCV
STATION	STATION NAME		YEARS	MONTH
		ALL MEATHER		ALL
		CLASS.		HOURS (L.S.T.)
		COMDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	%	MEAN WIND SPEED
N	8	. 9	. 5	2.	. 3							2.3	4.9
NHE	.7	. 7	. 4	•1								1.9	5.0
NE	. 9	1.4	• 3	•1								2.5	4.5
ENE	1.6	1.8	• 5	• 3	. 7							4.1	4.9
E	4.8	5.7	1.6	.6	• 2	• 5		1		1		12.9	5.0
ESE	2.9	4.9	1.9	• 3								13.0	5.0
SE	1.6	3.5	1.3	. 4	• 7				1			6.9	5.3
SSE	1.3	1.3	• 6	• 1					<u> </u>			3.3	4.9
\$	1.4	1.1	• 5	•1		• 1	2.	<u> </u>	1			3.1	4.8
SSW	1.0	. 8	• 3	• 3	• 1	.0			1			2.5	6.1
sw	.9		.6	. 3	1			<b>1</b>	<u> </u>			2.6	6.2
wsw	1.2	1.7	.6	• 3	1			1				3.9	5.7
w	3.1	4.2	1.4	. 4	• 1			<b>1</b>				9.1	4.9
WWW	1.9	2.7	.6	• 3	-							5.6	4.9
NW	1.4	1.3	• 5	3.6	• 3				<b></b>			2.9	4.4
NOW	1.5	5	• 3	1					†	<u> </u>		2.4	4 • D
YARR									<u>†                                      </u>				
CALM	$\times$	$>\!\!<$	$\times$	$\times$	$\times$	$\times$	$\times$	>>	$\times$	$\times$	$\times$	24.0	
	26.9	32.7	11.9	3.6	. 9	.1	•0					120.0	3.8

OTAL NUMBER OF OSSERVATIONS 4315

A THE MEATHER SERVICE/MAC

# SURFACE WINDS

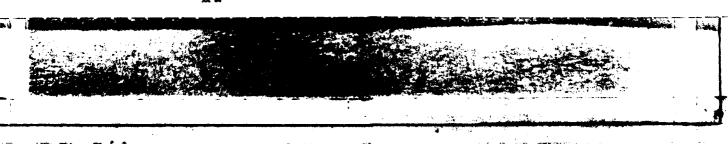
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2_104	AILLIAMS AFB AZ	69-70.73-80	DEC
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
	<u> </u>		
	**************************************	COMPITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥\$6	*	MEAN WIND SPEED
N		• 5										.5	4.0
NNE	2.2		. 5	. 5					l			3.3	4.8
NE	.5	1.6	. 5		_			l		L		2.7	5.2
ENE	4.9	3.8	1.1		ļ					T		9.8	3.8
E	12.0	23.7	2.7									35.3	4.1
ESE	6.5	9.2	1.6								1	17.4	4.1
SE	1.6	7.6	1.1									10.3	4.5
SSE	. 5	. 5		<del></del>					1		1	1.1	3.5
5			• 5									.5	8.0
SSW													
SW			.5									.5	8.0
WSW	• 5								Ì			. 5	3.0
w	- 5		5	.5								1.6	8.3
WNW	. 5		.5									1.1	6.0
NW	.5					1	<u> </u>	<u> </u>			-	5	2
NHW	1.1		Ì								1	1.1	2.0
VARBL					·			<u> </u>		†——		1 ***	
CALM	$\times$	$\times$	$\times$	$\times$	> <	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	> <	13.6	
	31.5	44.0	9.8	1.1								100.0	3.7

TOTAL NUMBER OF OBSERVATIONS



GEORAL CLIMATOLOGY BRANCH LEAFETAC Aleather Service/Mac

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 4 STATION	AILLIAMS AFR AZ	69-70.73-83	DEC MONTH
<b>5</b> , <b>3</b> , 10, 10		ALL WEATHER CLASS	<u> 1600-0800</u> Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4	. 3	. 6									1.3	5.6
NNE	. 4	. 6	• 3	. 1							I	1.4	5 . 5
NE	. 7	1.3	• 3		l							2.3	4 . (
ENE	3.6	3.8	. 4									7.8	3.6
E	11.1	18.9	1.3									31.3	3.9
ESE	7.8	10.5	1.9								T	20.2	4.
SE	3.6	3.9	• 6					1				8.1	3.9
SSE	1.0	1.4	. 3									2.7	3.9
\$	. 7	. 1	• 1									1.0	3.
SSW	• 3	• 3										• 6	3.
SW	• 3		•1									.4	4.
wsw			• 7									.7	8.
w	. 1	. 7		.1								1.0	6.1
WNW	. 1	. 3										- 4	3.
NW	- 4	. 4										.9	3.5
NNW	. 3		.1		i			1	1			-4	4.
VARSL									T	<del> </del>	<u> </u>		
CALM	><	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\boxtimes$	$\boxtimes$	$\boxtimes$	$\geq$	19.3	
	31.0	42.6	6.8	.3								100.0	3.

TOTAL NUMBER OF OSSERVATIONS 693

LU SAL CLIMATOLOGY BRANCH ACCITAC ACCITAC SERVICE/MAC

# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1.4	allliams afb az	69-70.7	3-80	DEC		
RTATION	STATION NAME		YEARS	MONTH		
		ALL WEATHER		0900-1103		
		CLASS		HOURS (L.S.T.)		
			<del></del>			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	. 7	- 6	- 4			Ĺ.						1.6	4.3
NNE	1.1	. 7	1	1				[		I		2.0	4.0
NE	. 6	1.2	• 2	•1								2.1	4 . 5
ENE	1.2	. 7	• 2	. 1								2.2	3.9
E	4.2	3.6	. 8	. 4	.1							9.2	4.
ESE	4 - 1	7.1	2.8	. 1							1	14.0	4 . 8
SE	3.8	4.6	2.4	.6						<del></del>		11.3	5 .
SSE	1.8	1.8	- 5									4.0	4 .
S	1	1.1	.2						<b></b>			2.4	4 .
SSW	. 6	• 5	-1				1					1.2	3.
SW	1.5	. 7	- 1	4.1			1					2.5	3.
WSW	1.2	. 6	• 2			· · · · · · · · · · · · · · · · · · ·						2.6	ذ
w	-	1.5	_ 7	.6								3.5	6.1
WNW	1.2	6	•2	•2								2.2	4.4
NW	. 9	. 6	• 2								<del></del>	1.8	3.9
NHW	.6	• 2								<del></del>	<b></b>	.8	2.
VARBL					<b> </b>	<del>                                     </del>	<del>                                     </del>			t	<del> </del>	1 1	
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq$	36.7	
	25.6	26 a D	9.3	2.4								100.0	2.

TOTAL NUMBER OF OBSERVATIONS 351

SUCBAL CLIMATOLOGY BRANCH SSAFETAC A - WEATHER SERVICE/MAC

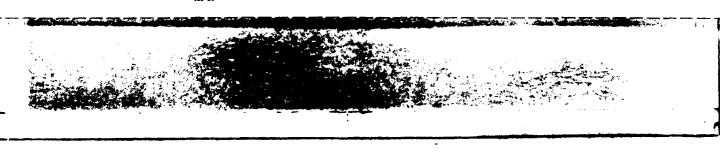
# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2_104	"ILLIAMS AFR AZ	69-70.73-80	DEC
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER CLASS	1200-1403 Hours (L.S.T.)
	- C	ONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.1	1.4	5	1								3.1	4 . 8
NNE	.7	9	. 6	- 1						I		2.3	5.6
NE	• 2	. 4	.6									1.2	6.0
ENE	• 6	. 4	• 2									1.2	4.8
E		. 9	1.5	1.9			· · · · · · · · · · · · · · · · · · ·					4.9	9.1
ESE	• 6		. 4	• 2								1.2	6.1
SE	. 7	- 3	1.3	.1								2.9	_ 5 • 5
358	1.2	1.3	• 9	•1								3.5	5.2
5	2.1	1.4	.5	. 1	.1						· · · · · · · · · · · · · · · · · · ·	4.2	4.3
SSW	1.1	. 5	•1	• 1								1.8	4.1
sw	2.5	1.5	• 5									4.5	3.8
wsw	2.7	2.1	1.2	. 4								5.3	4.9
w	5.7	5.2	2.2	. 6			<b></b>	i				13.8	4.5
WNW	4.1	2.5	1.1	• 1			<u> </u>			<del></del>		7.7	4.0
NW	3.6	1.1	.6	. 4								5.6	4.0
NNW	1.6	8	.2									2.7	3.6
VARBL	1						<del> </del>	<u> </u>	<del> </del>			1	<u> </u>
CALM	> <	$\geq \leq$	$\times$	>>	$\geq$	$\geq \leq$	$\geq$	$\geq \leq$	$\geq \leq$	$\geq$	$\geq \leq$	33.0	
	.9.2	21.1	12.3	4.2	1							130.0	3.3

TOTAL NUMBER OF OBSERVATIONS



St. 2 AL CLIMATOLOGY BRANCH 2 SEETAC 4 EATHER SERVICE/MAC

## SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 .14	"ILLIAMS AFB AZ	69-70.73-80	DEC
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1500-1700
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
z	, ,	1.5	. 4	1								4.1	4.2
NNE	. 7	- 4	.7									1.8	5.1
NE	.7	. 4	.7	4				\		}		2.2	6.5
ENE	5	. 7	. 8	. 3								2.3	7.1
E	. 7	1.1	1.4	1.4								4.5	7.7
ESE	7	• 3	• 1	. 1								1.4	5.3
SE	1.1	. 3	. 3	. 3								j. 9	4.9
SSE	. 7	. 8		. 1								1.6	4.5
\$	. 7	• 5	. 3			. 1						1.6	5.8
SSW	1.4	. 9	. 3		1							2.7	4.5
SW	1.2	1.5	. 5	• 3								3.7	4.7
WSW	2.3	3.1	. 7									5.8	4 . 3
w	7.9	9.9	2.8	. 9								21.6	4.7
WNW	1.3	7.3	1.9	• 1								13.7	4.4
NW	2.6	2.6	. 5	. 4								5.1	5.0
NNW	i.2	1.1	. 3	. 1								2.7	4.1
VARBL						<u> </u>				<u> </u>			
CALM	$\times$	$\times$	$\times$	$\times$	$\times$	$\geq \leq$	$\geq \leq$	$\times$	$\geq$	$\geq$	$\geq$	22.4	
	78.D	33.1				.1						100.3	3.8

TOTAL NUMBER OF OBSERVATIONS 7.3.7

EL BAL CLIMATOLOGY BRANCH : AFETAC A EATHER SERVICE/MAC

# SURFACE WINDS

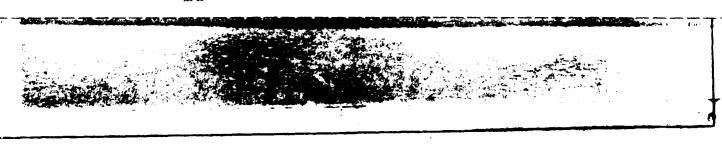
#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 14	ATLITAMS AFR AZ	69-70.73-88	DEC
BYATION	DIATION NAME	ALL WEATHER CLASS	1800-2000
		CONDITION	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	3	1.6	. 2	• 2								5.0	3.4
NNE	1.4	1.										2.4	3.3
NE	1.4	2.6	. 4	. 2	· · · · · · · · · · · · · · · · · · ·							4.6	4.5
ENE	2.5	2.2										5.0	3.5
ŧ	5.r	5.6										10.6	3.4
ESE	2.4	2.	• 2									4.6	3.3
SE	2.2	• 6	• 2	2								3.2	3.8
SSE	P	6_										1.4	3 • C
S	1.0	• 5										1.6	2.9
SSW		. 4										1.4	3.0
SW	1.4	1.2										2.6	3.5
wsw	1.8	2									T	2.0	2.3
w	2.0	2.6	• 2									5.4	3.6
WNW	2.3	1.0	. 2									4.0	3.1
NW	1.5	1.2										2.8	3.1
NNW	2.	1.3							T			3.0	3.1
VARBL													
CALM	$\times$	$\times$	$\times$	$\times$	>>	$\supset \subset$	$\times$	$\boxtimes$	$\boxtimes$	$\times$		40.2	
	33.3	24.5	1.4	6								100.0	2 a C

TOTAL NUMBER OF OBSERVATIONS

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



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SEURAL CLIMATOLOGY BRANCH STATETAC ATT FEATHER SERVICE/MAC

# PERCENTAGE FREQUENCY OF WIND

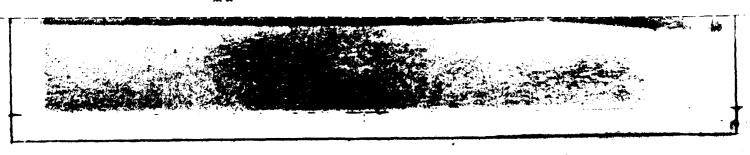
PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

USE WITH CAUTION SEE FIRST PAGE

2 : 4	ZILLIAMS AFB AZ	69-70.73-80	DEC
STATION	STATION NAME	YEARS	МОНТН
		ALL WEATHER	<u> 210<b>0-2</b>308</u>
		CLASS	HOURS (L.S.T.)
	<del></del>	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
Z	2.3		• 5									2.7	3.5
NNE	• 9	• 5	1.4									2.7	5.
NE	1.4		1.4									2.7	5.
ENE	4.1	2.7	•5						· · · · · ·	I		7.2	3.
E	13.6	10.9	5									24.9	3.
ESE	5.6	7.7	1.4									17.6	3.
SE	1.8	5.4										7.2	3.
SSE	2.7	1.4										4.1	2.
S	9	1.4	. 5									2.7	4.
SSW	. 9		. 5									1.4	3.
SW	1.4	. 5										1.8	2.
WSW	5										· .	.5	2.
w		5			i							- 5	4.
WNW		. 5										.5	4.
NW	. 5			.5								.9	9.
NNW													
VARBL													
CALM	$\times$	$\geq \leq$	$\times$	$\boxtimes$	$\sim$	22.6							
	39.4	31.2	6.3	.5								100.0	2.

TOTAL NUMBER OF OBSERVATIONS 221



GLOBAL CLIMATOLOGY BRANCH

# SURFACE WINDS

# ATTEMENT SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 4 STATION	ATELIAMS AFB AZ	69-75.73-80 VEARE	D.C MONTH
		ALL WEATHER	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	1.	. 4	.1								2.8	4.2
NNE	. 9	. 7	. 4	• 1								2.1	4 . 5
NE	. 7	1.5	.5	• 1					1			2.3	5.2
ENE	1.9	1.6	. 4	•1								3.9	4.1
E	5.0	6.6	1.1	.7	<u>, n</u>		T					13.5	4.5
ESE	3.4	4.5	1.2	•1					<del> </del>			9.2	4.3
SE	2.2	2.6	1.0	• 2				·				6.0	4.7
SSE	1.2	1.2	• 3	0.0						<u> </u>		2.8	4.2
S	1.1	6.	.3	.0	• 3	C				1		2.2	4.3
SSW	- 9	• 5	.1	.0	• 5				1			1.5	3.9
SW	1.4	. 9	. 3	. 1					1			2.7	3.5
WSW	1.5	1.2	. 5	.1					<del>                                     </del>	1		3.4	4 . 4
w	J.2	3.7	1.2	• 5				]				8.5	4.8
WNW	2.3	2.2	7	.1				<u> </u>				5.3	402
NW	1.3	1.0	.3									3.2	4 . 3
MW	1.7	. 5	. 1	.0			1		<b> </b>		<del> </del>	1.7	3.5
VARBL			-			<del></del>	<del>                                     </del>	<b></b>	<del>                                     </del>		<del> </del>		
CALM	$\searrow$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	$\times$	> <	>>	28.9	
	29.7	30.0	8.8	2.4	41							100.0	3.

TOTAL NUMBER OF OBSERVATIONS



CLOBAL CLIMATOLOGY BRANCH A STETAC ACCURATE SERVICE/MAC

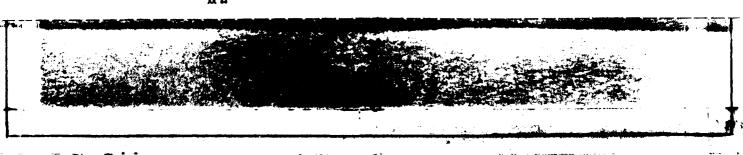
# SURFACE WINDS

#### PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1 4	AILLIAMS AFB AZ	69-70.73-81	ALL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
	•	CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥\$6	%	MEAN WIND SPEED
N	1.1	8	. 4	•1	.3	0						2.5	5.€
NNE	. 5	• 5	• 3	• 1	.0	•	.0					1.5	5.9
NE	. 7	. 6	. 3	.1	. 0	0.						1.7	4.9
ENE	1.2	1.1	. 4	•1	• (*	• 0	• 0					2.9	4.6
ŧ	3.1	5.2	1.6	• 6	. 1	• C	.0		l			10.6	5.3
ESE	2.1	4.4	2.7	• 5	• 1	• 0						9.7	5.8
SE	1.6	3.1	2.2	. 4	٥.	• 0	.0					7.4	5.8
SSE	1.3	1.6	1.0	. 2	٥.	• 0		. 3				4.1	5.5
5	1.4	1.4	. 9	. 3		.0	.0			<u> </u>	<u></u>	4.1	5.9
SSW	• 9	1.1	. 6	. 4		•	. C		L			3.3	6.8
SW	1.0	1.4	1.1	.5	.1	S	.0		l			4.0	6.6
wsw	1.2	2.2	1.7	5	-1	0						5.7	6.3
w	2.3	5.2	4.3	• 7	1	. 2	.0					12.4	6.1
WNW	1.5	2.9	2.3	. 5	. 1	.0			L			7.3	6.1
NW	1.2	1.9	1.3	.3	0	0						4.7	5.7
WWW	1.1	1.3	.6	• 1			• G				<u> </u>	3.1	4.9
VARBL											l		
CALM	X	$\times$	$\times$	$\times$	$\times$	$\times$	$>\!\!<$	> <	$\geq \leq$	$\geq \leq$	><	14.9	
	22.2	34.7	21.5	5.6	. 9	.2		n.				100.0	4.9

TOTAL NUMBER OF OSSERVATIONS 54917



CT SBAL CLIMATOLOGY BRANCH
. AFETAC
ATT WEATHER SERVICE/MAC

### SURFACE WINDS

# PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

2 1.4	AILLIAMS AFB AZ	69-70.73-81	ALL
STATION	STATION NAME	YEAR\$	MONTH
	INSTRU	IMENT	ALL
	CL	ASS	HOURS (L.S.T.)
		VSBY 1/2 MI OR MORE.	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	×	MEAN WIND SPEED
N	. 8	2.4		8								4.0	6.6
NNE		1.6	. 8			8.	1.6					4.8	17.D
NE	.3		•8	.8		``			1			2.4	8.7
ENE	2.4	3.2										5.6	3.6
E	1.6	1.6	1.6	2.4	8	1.6			1			9.5	11.2
ESE	1.6	2.4	• 8	2.4		1.6			1			8.7	10.7
SE	3.2	2.4			. 8	.8	• 8			1		7.9	10.3
SSE				. 8	.8							3.2	19.8
5	•3	1.6			.8	2.4						5.6	14.9
SSW	1.6	• 3			3.2		. 8			1		6.3	14.1
sw	. 8	2.4		. 8		.8						4.8	9.3
WSW		3	. 8							Ì		1.6	7.0
w	8	3.2	. 8	. 8	1.6	.8			<b> </b>			7.9	10.6
WWW	. 8		. 8	.8	1.6							7.1	
NW		. 8	. 8									1.6	7.0
NHW	. 8	- 8	. 8				. 8					3.2	10.8
VARBL				-									
CALM	$\searrow$	$\times$	>	15.9									
	15.9	25.4	7.9	9.5	9.5	11.9	4.0					100.0	9.4

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM (48-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

### PART D

### CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

#### EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							VIS	BILITY (ST	TATUTE MI	LES)						
(FEET)	≥ 10	1≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ เ	≥ ¾	≥ %	≥ 1/3	≥ 5/16	≥ ¼	≥ 0
NO CEILING					$\sim$		$\bigcirc$							$\stackrel{\frown}{\sim}$		
							$\sim$					$\sim$				$\geq$
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 800			i ————													
≥ 700 ≥ 600																
≥ 500 ≥ 400										97.4						98.1
≥ 300 ≥ 200				-				 		<del> </del>						-
≥ 100 ≥ 0					95.4		96.9			98.3						100.

- EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ . For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.

  Ceiling  $\geq 500$  feet = 98.1%.
- EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table: Visibility  $\geq 3$  miles = 95.4%. Visibility  $\geq 2$  miles = 96.9%. Visibility  $\geq 1$  mile = 98.3%.
- EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq$  1500 feet with visibility  $\geq$  3 miles = 91.0%.

#### ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq$  1500 feet with  $\geq$  3 miles, subtracted from 97.4 read from the table at the intersection of  $\geq$  500 feet with  $\geq$  1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq$  500 feet with visibility  $\geq$  1 mile, but < 3 miles; or ceiling  $\geq$  500 feet, but < 1500 feet with visibility  $\geq$  1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.



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USE WITH CAUTION BEE EIRST PAGE

# CEILING VERSUS VISIBILITY

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3300-0500 HOURS (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ ₩:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	72.3 74.5	73.6 75.7	74.0 76.2	74 • 5 76 • 6	74.9 77.0	74.9 77.0	74.9	75.3 77.4		75.3 77.4	75.3 77.4	75.3 77.4	75.3 77.4	75.3 77.4	75.3 77.4	75.3 77.4
≥ 18000 ≥ 16000	74.9 74.9	76.2 76.2	76.6 76.6	77.0	77.4	77.4	77.4	77.9	77.9 77.9	77.9 77.9	77.9 77.9	77.9 77.9	77.9	77.9	77.9 77.9	77.9 77.9
≥ 14000 ≥ 12000	77.0 80.4	78.3 81.7	78.7 82.1	79.1 82.6	79.6 83.0	79.6 83.0	79.6 83.0	80.0 83.4	80.0 83.4	80.0 83.4	80.0 83.4	80.0 83.4	80.0 83.4	80.0 83.4	80.0 83.4	80.0 83.4
≥ 10000 ≥ 9000	8 <b>5.1</b> 8 <b>6.</b> 0	86.4 87.2	86.8 87.7	87.2 88.1	87.7 88.5	87.7 88.5	87.7 88.5	88.1 88.9	88.1 88.9	88.1 88.9	88.1	88.1 88.9	88.1 88.9	88.1	88.1 88.9	88.1 88.9
≥ 8000 ≥ 7000	88.9 89.8	90.2 91.1	90.6 91.5	91.1 91.9	91.5 92.3	91.5 92.3	91.5	91.9	91.9		91.9	91.9	91.9	91.9 92.8	91.9 92.8	
≥ 6000 ≥ 5000	91.9 93.6	93.2 95.3	93.6 95.7	94.0 96.6	94.5 97.4	94.5 97.4	94.5	94.9 97.9	94.9 97.9	/ 7 • /	94.9 97.9		94.9		'''	94.9
≥ 4500 ≥ 4000	93.6 93.6	95.3 95.3	95.7 95.7	96.6 96.6	97.4 97.4	97.4 97.4	97.4	97.9 97.9	97.9 97.9	1 ' ' ' '	97.9 97.9		97.9 97.9	97.9 97.9		
≥ 3500 ≥ 3000	93.6 94.5	95.3 96.2	95.7 97.0	96.6 97.9	97.4 98.7	97.4 98.7	97.4 98.7	97.9 99.1	97.9 99.1	97.9 99.1	97.9 99.1	97.9 99.1	97.9 99.1	97.9	97.9 99.1	97.9 99.1
≥ 2500 ≥ 2000	94.5 94.5	96.2 96.2	97.0	97.9		98.7 98.7	98.7 98.7	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1
≥ 1800 ≥ 1500	94.5				98.7 99.6	98.7 99.6		99.1 100.0				99.1 100.0	99.1 100.0	99.1 100.0	99.1 100.0	
≥ 1200 ≥ 1000	94.9	97.0			99.6	99.6	99.6		100.0 100.0			100.0 100.0	100.0 100.0	100.0 100.0		100.0 100.0
≥ 900 ≥ 800	94.9				99.6	99.6		100.0 100.0	100.0 100.0			100.0 100.0		100.0 100.0	100.0	100.0 100.0
≥ 700 ≥ 600	94.9 94.9				99.6	99.6	99.6		100.0 100.0	100.0 100.0	100.0		100.0 100.0	100.0 100.0	100.0	100.0
≥ 500 ≥ 400	94.9		97.9		99.6	99.6			100.0 100.0				100.0 100.0	100.0 100.0	100.0	100.0
≥ 300 ≥ 200	94.9	97.0		98.7 98.7	99.6	99.6	99.6	100.0	100.0				100.0	100.0		100.0
≥ 100	94.9	97.0		98.7 98.7	99.6	99.6	99.6	100.0	100.0 100.0			100.0		100.0 100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_23

TRAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLE



GLOBAL CLIMATOLOGY BRANCH GLAFETAC ALS REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

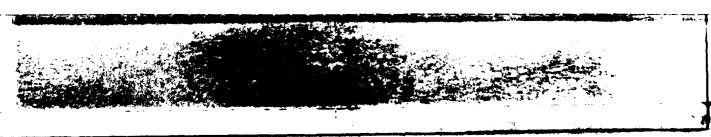
2 174 WILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							٧ıS	BILITY ST	ATUTE MILI	ES:						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥ %	≥ ⅓	≥ 5/16	≥ ¼	≱0
NO CEIUNG ≥ 20000	6 <b>6 - 1</b>	67.9 72.1	68.3 72.5	68.6 72.8	69.0 73.2	69.0 73.3	69.1 73.5	69.5 73.9	69.5 73.9	69.6 74.0	69.8 74.1	69.8 74.1	69.8 74.1	69.9 74.2	70.0 74.4	70.2 74.5
≥ 18000 ≥ 16000	71 • 1 71 • 1	73.1 73.1	73.5 73.5	-	74 • 1 74 • 1	74.2 74.2	74.4 74.4	74.8 74.8	74.8 74.8	74.9 74.9	75.0	75.0 75.0	75.0 75.0	75.2 75.2	75 • 3 75 • 3	75.4 75.4
≥ 14000 ≥ 12000	74 • 1 77 • 5	76.2 79.2	76.6 79.6	76.9 79.9	77.3	77.4 80.4	77.5 80.6	77.9 80.9	77.9 80.9	78.1 81.1	78.2 81.2	78.2 81.2	78.2 81.2	78.3 81.3	78.4 81.5	78.6 81.6
≥ 10000	80 • 8 82 • 0	83.2 84.5	83.6 84.9		84.4 85.7	84.5 85.8	84.6	85.0 86.3	85.0 86.3	85.2 86.5	85.3 86.6	85.3 86.6	85.3 86.6	85.4 86.7	85.5 86.9	85.7 87.3
≥ 8000 ≥ 7000	54.5 85.7	87.1 88.4	87.5 88.8	87.8 89.1	88.3	88.4	88.6	89.0 90.3	89.0 90.3	89.1 90.4	89.2 90.5	89 • 2 90 • 5	89.2 90.5	89.4 90.7	89.5 90.8	94.9
≥ 6000 ≥ 5000 ≥ 4500	98.1	90.8	91.2	95.1	92.0	92.1 95.8	92.2 95.9	92.6 96.3	92.6	92.8 96.5	92.9 96.6	92.9 96.6	92.9 96.6	93.0 96.7	93.2 96.8	93.3
≥ 4500 ≥ 4000 ≥ 3500	92.1	94.7 94.9 95.0	95.1 95.3 95.4	95.4 95.5 95.7	95.9 96.1	96.1 96.2	96.2 <u>96.3</u> 96.6	96.6 96.7 97.0	96.6 96.7 97.0	96.7 96.8 97.1	96.8 97.0 97.2	96.8 97.0 97.2	96.8 97.0 97.2	97.0 97.1 97.4	97.1 97.2 97.5	97.4 97.4
≥ 3000	92.3 92.9	95.8 95.8	96.3 96.3	96.6 96.6	96.3 97.4 97.4	96.5 97.6 97.6	97.9 97.9	98.4	98.4	98.6 98.6	98.7 98.7	98.7 98.7	98.7 98.7	98.8 98.8	98.9	99.1
≥ 2000	92.9	95.8 95.8		96.6 96.6	97.4	97.6	97.9 97.9	98.4 98.4	98.4 98.4	98.6 98.6	98.7	98.7 98.7	98.7 98.7	98.8 98.8	98.9 98.9	99.1
≥ 1500	93.0 93.0	96.2	96.7	97.0 97.0	97.8 97.8	98.0	98.3 98.3	98.8	98.8	98.9 98.9	99.1	99.1	99.1	99.2	99.3	9 <b>9.</b> 5
≥ 1000	93.3	96.5	97.0		98.0 98.0	98.3	98.6	99.1	99.1	99.2	99.3	99.3	99.3	99.5	99.6	99.7
≥ 800 ≥ 700	93.3 93.3	96.5	97.0		98.0 98.0	98.3	98.7 98.7	99.2 99.2	99.2	99.3	99.5 99.5	99.5	99.5	99.6	99.7 99.7	99.9
≥ 600 ≥ 500 ≥ 400	93.3	96.5	97.0 97.0		98.0 98.0	98.3 98.3	98.7 98.7	99.2	99.2	99.3	99.5 99.5	99.5 99.5	99.5	99.6	99.7	99.9
≥ 400 ≥ 300 ≥ 200	93.3	96.5	97.0	97.2	7		98.7	99.2	99.2	99.3	99.5	99.5	99.5		99.7	1000
> 100 > 0	93.3	96.5	97.0	97.2		98.3	98.7 98.7	99.2	99.2	99.3	99.5		99.5	99.6	99.7	100.0
لنستا	93.3	96.5	97.0	97.2	98.Q	98.3	98.7	99.2	99.2	99,3	99.5	99.5	99.5	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



GLOBAL CLIMATOLOGY BRANCH LOAFETAC ALP WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

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WILLIAMS AFB AZ

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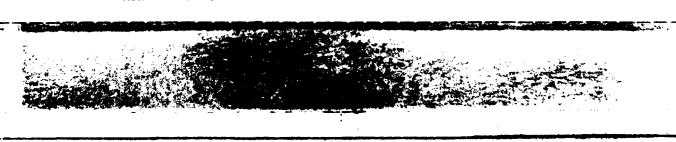
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

8980-1108 HOURS (LIST.)

CEILING	-						VIS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄:	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	66 • 2 73 • 1	69.0 76.0	69.4 76.8	69.8 77.1	77.0 77.4		70.0 77.4	70.0 77.4	70 • Q	70.0 77.4	70.0	70.0 77.4	70.0 77.4	70.0 77.4	70.0 77.4	70.5 77.4
≥ 18000 ≥ 16000	73.6 74.5	76.4 76.9		77.6 78.0	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3	77.9 78.3
≥ 14000 ≥ 12000	76.6 79.4	79.9 82.9	83.8	81.0 84.1	81.3 84.4	81.3 84.4	81.3 84.4	81.3 84.4	81.3 84.4	81.3 84.4	81.3 84.4	81.3	81.3 84.4	81.3 84.4	31.3 84.4	81.3 84.4
≥ 10000	82.1 82.9	85.6 86.3	87.2	86 • 8 87 • 6	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9	87.1 87.9
≥ 8000 ≥ 7000	34.8	87.4 88.2	88.3	88.7	89.1	89.1 89.9	89.1 89.9	89.1	89.1	89.1	89.1 89.9	89.1	89.1 89.9	89.1 59.9	89.1	89.1
≥ 6000 ≥ 5000 ≥ 4500	67.8 93.3	91.3 94.2	92.7	93.1 96.1	93.6	96.6	93.6 96.6	93.6	96.6	93.6 96.6	96.6	93.6 96.6	93.6 96.6	93.6 96.6	93.6	93.6 96.6
≥ 4000 ≥ 3500	91.8 90.9 91.1	94.7 94.8 95.0	1	96.6 96.7 96.9	97.0 97.1	97.0 97.1 97.3	97.0 <u>97.1</u> 97.3	97.0 97.1 97.3	97.0 97.1 97.3	97.0 97.1 97.3						
≥ 3000 ≥ 2500	91.8 91.9	95.8 95.9	97.4	97.9	98.3	98.4	98.4 98.6	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7
≥ 2000	92 . 2	96.0	97.7	98.1 98.3	98.6	98.6	98.7 98.9	98.8	98.8 99.0	98.8	98.8	98.8	98.8 99.0	98.8 99.0	98.8	98.8 99.0
≥ 1500	92.2 92.2	96.2	97.9	1	98.8	98.8	98.9	99.0	99.0	99.0	99.0	99.0	99.0		99.0	99.1
≥ ,000	92.2 92.2	96.2	97.9	98.3 98.3	98.9 98.9	99.1	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 700	92.3 92.3	96.3	98.0 98.0	98.4 98.4	99.0	99.2 99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4 99.6
≥ 500	92.3 92.3	96.3	98.0 98.0	98.4 98.4	99.0		99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6 99.6	99.6
≥ 400 ≥ 300 ≥ 200	92.3 92.3	96.3 96.3	98.0 98.	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7 99.8	99.7	99.7
≥ 100 ≥ 0	92.3	96.3	98.0	98.4 98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.9	100.0
	92.3	96.3	98.0	98.4	99.0	99.2	99.4	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.9	120.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 950

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# CEILING VERSUS VISIBILITY

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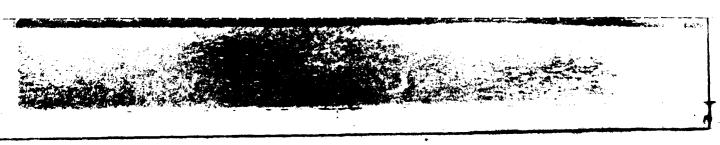
### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						<del></del>	vis	IBILITY ST	ATUTE MIL	<b>E</b> S						
(FEET)	01 ≤	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥2	≥1⅓	≥1%	≥1	≥ ¾	≥ %	≥ 4⁄7	≥ 5/16	≥ 1⁄4	≥0
NO CEIUNG ≥ 20000	06 • 1 72 • 9	68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4			68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4	68.7 75.4
≥ .9000 ≥ 18000	74 • 7 74 • 4	76.6 77.0	76.6	76.6 77.0	76.6 77.0	76.6		76.6 77.0	76.6 77.0	76.6 77.0	76.6 77.0		76.6 77.0	76.6 77.0		
≥ 14000 ≥ 12006	76 • 7 79 • 4	79.3 82.2	79.3 82.2	79.3 82.3	79.3 82.3	79.3 82.3	82.3	79.3 82.3	82.3	79.3 82.3	79.3 82.3	79.3 82.3	79.3 82.3	79.3 82.3	79.3 82.3	82.3
≥ 9000	82.4	85.3 86.6	85.4 86.7	35.6 86.8	85.6 86.8	85.6 86.8	86.8	85.6 86.8	86.8	86.8	85.6	85.6 86.8	85.6 86.8	85.6 86.8	85.6 86.8	86.8
≥ 8000 ≥ 7000 ≥ 6000	8 <b>5.</b> 2 8 <b>6.</b> 8 93.0	88.2			88.4 90.0	90.0	90.0	90.0 93.4	90.0		90.0 93.4			90.0 93.4		90.0
≥ 5000 ≥ 4500	91.9 91.9	95.3 95.7	95.6 95.9	95.7	93.4 95.7 96.0	95.7	95.7		95.7	95.7	95.7 96.0	95.7	95.7	95.7 96.0	95.7 96.3	95.7
≥ 4000 ≥ 3500	92.9	96.3 97.0	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7 97.3	96.7	96.7
≥ 3000	94.9	98.8 98.8	98.6	98.7 99.1	98.7 99.1	98.7		98.7 99.1		98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7	98.7 99.1	98.7 99.1
≥ 1800 ≥ 1500	95.2 95.2	99.1		99.4 99.4	99.4			99.6		99.6 99.6	99.6	99.6	99.6 99.6	99.6	99.6	
≥ 1200 ≥ 1000	95.2 95.2	99.1	99.3	99.4	99.4	99.7	99.8	99.6			99.6			99.6	99.8	99.5
≥ 900 ≥ 800	95.2 95.2	99.2	99.4	99.6	99.8	99.8 99.8	99.9	99.9		99.9	99.9	99.9	99.9	99.9 99.9	99.9	
≥ 700 ≥ 600	95.2 95.2	99.2	99.4	99.6	99.8 99.8	99.8		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500 ≥ 400	95.2 95.2	99.2		99.6	99.9	99.9	100.0 100.0	100.0		100.0 100.0		~~~	100.0		100.0	
≥ 300 ≥ 200	95.2 95.2	99.2		99.6	99.9	- 1	100.0		100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0		100.0
≥ 100 ≥ 0	95.2 95.2	99.2	99.4		99.9		100.0								100.0	

TOT AL NUMBER OF OBSERVATIONS \_\_\_\_

900

JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS F



GLURAL CLIMATOLOGY BRANCH L'AFETAC A'E WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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ILLIAMS AFB AZ

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JAN:

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEIL NO							viS	BILLTY ST	ATUTE MIL	ES						
(FEE*)	≥ ;0	≥ 6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
NO 1EIUN/- ≥ 20000	υ <b>6.</b> 3	68.2 74.9	68.2 75.1	68 • 2 75 • 1	68.2 75.1	68.2 75.1	68.2 75.1	68.2 75.1	68.2 75.1	68 • 2 75 • 1	68.2 75.1	68.2 75.1	68.2 75.1	68 • 2 75 • 1	68.2 75.1	68.2 75.1
≥ 18000 ≥ 6000	74.7 75.7	76.8 77.7	76.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9	76.9 77.9
≥ 14000 ≥ 12000	78.3 Ela:	8 ' • 4 83 • 6	80.5 83.8	80.5 83.9	80.5 83.9	80.5	0000	80.5 83.9	80.5 83.9	80.5 83.9	80.5 83.9	80.5 83.9	80.5 83.9	80.5 83.9	80.5 83.9	83.9
20001 ≤	04.1 05.5	86.4 88.0	86.7	87.0 88.6	87.0 88.6	87.0 88.6	88.6	87.0 88.6	87.9 88.6	87.0 88.6	88.6	87.0 88.6	87.0 88.6	88.6	87.0 88.6	37.0 88.0
≥ 8000 ≥ 7000	36.7 \$8.1	90.6	89.7 91.0	91.2	91.2	89.9 91.2	91.2	89.9 91.2	89.9 91.2	89.9 91.2	89.9 91.2	89.9 91.2	89.9 91.2	89.9 91.2	89.9 91.2	91.2
≥ 6000 ≥ 5000 ≥ 4500	61.2 73.2	93.8 95.9	94.2	96.5	94.9 97.0	94.9 97.0	97.0	94.9	94.9 97.0	94.9	94.9 97.0	94.9 97.0	94.9 97.0	94.9 97.0	94.9 97.0	94.9
2 4000 2 3500	93.4 93.9	96.1 96.6 96.8	96.5 97.0	96.7 97.2 97.4	97.2 97.7 97.9	97.2 97.7 97.9	97.7	97.2 97.7 97.9	97.2 97.7 97.9	97.2 97.7 97.9	97.7 97.7	97.2 97.7 97.9	97.2 97.7 97.9	97.2 97.7 97.9	97.2 97.7 97.9	97.2 97.7 97.9
2 3000 2 2500	95.7	98.4	98.8 98.8	99 J	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1800	9 <b>5.7</b>	98.9	98.9	99.1	99.6	99.6	99.6		99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 1500	95.9	98.9	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.
≥ 900	9 <b>5.9</b>	98.9 98.9	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	***	
≥ 800 ≥ 700	95.9 95.9	98.9 98.9	99.3		160.0 100.0			100.0 100.0			100.0	100.0 100.0				
≥ 500	9 <b>5.</b> 9	98.9 98.9	99.3		100.0		100.0	****		100.0	100.0	100.0	100.0 100.0		100.0 100.0	
≥ 400 ≥ 300	95.9 95.9	98.9	99.3	99.5	100.0	100.0		100.0 100.0	100.0	100.0	100.0	100.0		100.0		190.0
≥ 100 ≥ 0	95.9 95.9	98.9	99.3	99.5		100.0		100.0						100.0		100.0
≥ 0	95.9	98.9	99.3	99.5	100.0	100.0	100.0	100.0	100.0	100.0	106.0	100.0	100.0	100.0	100.0	100.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



CL PAL CLIMATOLOGY BR NCH LI AFETAC A' - "FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

4 AILLIAMS AFB AZ

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY ST.	ATUTE MIL	ES						
(FEE?)	≥10	≥6	≥ 5	≥ 4	≥3	≥ 2 1⁄.	≥ 2	≥ ι %	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	69.7	71.7	72.3	72.0	-		72.0		72.0		1			72.0	72.0	
≥ 18000	75.5 76.3	77.6	77.9 78.9	77.9 78.9	77.9 78.9	77.9 78.9	77.9 78.9	77.9 78.9	77.9	77.9	77.9 78.9	77.9 78.9	77.9	77.9 78.9	77.9 78.9	77.9
≥ 16000	76.7	78.9		79.3		79.3			79.3	79.3	79.3	79.3	79.3	79.3	79.3	
≥ 14000	79.6	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.3
≥ :2000	ċ2 <b>.1</b>	84.2	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8	84.8		84.8
≥ 10000	85.1	87.3	87.9	87.9		87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	67.9
> 8000	56.2	88.7	89.3	89.3	89.3	89.3			89.3		89.3	89.3	89.3	89.3	89.3	
≥ 7000	5 <b>8 - 8</b>	91.3	91.9	91.9		92.5	92.0 92.5		92.0	92.0 92.5	92.5	92.5	92.0	_		
≥ 6000	92.2	94.9		96.0		96.5	96.5		96.5		96.5	96.5				
≥ 5000	93.6	96.3	96.9			98.0	98.0	_	98.0			98.0	-			96.
≥ 4500	93.6	96.3	96.9			98.0	98.0		98.0						98.0	98.0
≤ 4000	94.1	96.8	97.4	97.9	98.5	98.5	98.5	98.5	98.5		98.5	98.5	98.5	98.5	98.5	98.5
≥ 3500	94.6	97.4	98.0	98.5	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 3000	95.3	98.0		99.1	99.7	99.7	99.7					99.7		99.7		59.7
≥ 2500 ≥ 2000	75.3	98.Q	' '		99.8	99.8		100.0					}		_	j- · ·
	25.3	98.0		99.1	99.8	99.8		100.0								
≥ 1800 ≥ 1500	95.3 95.3	98.0			99.8	99.8	- 1	100.0							1	F .
≥ 1200	95.3	98.0 98.1	98.6 98.6					100.0			_					
≥ ،000	95.3	98.	98.6		99.8	99.8		100.0								F
≥ 900	95.3	98.0	98.6					100.0								
≥ 800	95.3	98.0	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	95.3	98.1	98.6	99.1	99.8	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.3	98.0			99.8	99.8		100.0								
≥ 500 ≥ 400	95.3	98.0	1					100.0							F	Γ
	95.3	98.0			99.8			100.0								
≥ 300 ≥ 200	95.3 95.3	98.0 98.0			99.8		- 1	100.0							(	100.D
00ا ج	95.3	98.0	98.6					100.0								
2 0	95.3	98.0			99.8		-	100.0								F

TOTAL NUMBER OF OBSERVATIONS 653

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF



GE PAL CLIMATOLOGY BRANCH ATE WEATHER SERVICE/MAC

# SE WITH CAUGADE CEILING VERSUS VISIBILITY

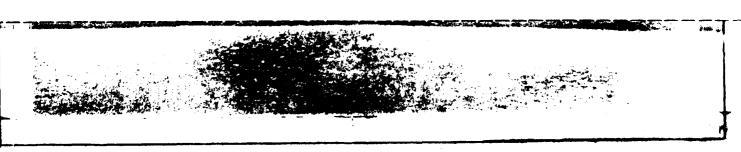
2 : 4 AILLIAMS AFB AZ

70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							√ıs	SIBILITY ST	ATUTE MIL	.ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21⁄.	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	<b>≥</b> ⊬	≥ 5/16	≥ ¼	≥¢
NO CEILING ≥ 20000	4	81.1	81.	81.1	1 -		81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
ļ	24.3	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 18000	85.1	85.8	85.8	1					1	85.8	85.8		85.8	85.8	85.8	65.8
314000	85.1	85.8	85.8	85.8	85.8	85.8		85.8	85.8		85.8	85.8	85.8	85.8	85.8	85.8
≥ 14000	38.1	89.0	89.0 92.5	1	1	89.0 92.5			89.0 92.5	89.0 92.5	89.0 92.5	89.0	89.0	89.0	89.0	89.5 92.5
≥ 10000	94.3	95.0	95.0			95.0		72.0	95.0	95.0	95.0	95.0				
≥ 9000	75.4	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	26.1	96.1	96.1	96.1
≥ 8000	96.8	97.5									97.5					97.5
≥ 2000	96.8	97.5	97.5		97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5
≥ 6000	98.2	98.9	98.9	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	48.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4500	98.6	99.3	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
± 4000	98.9	99.6	99.6	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	98.9	99.6								100.0						
≥ 3000	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 C
≥ 2500 ≥ 2000	48.9	99.6								100.0		-		1	-	
·	98.7	99.6								100-0						
≥ 1800 ≥ 1500	98.9	99.6								100.0			1			
	98.9	99.6								100-0				_		
≥ 1200	98.9	99.6			1					100.0	-		1	_		
≥ ,000	98.9	99.6								100.0						
≥ 900	98.9	99.6								100.0						
≥ 800	98.9	99.6	99.6	170.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 C
≥ 500	98.9	99.6		1	1		1			100.0	_	_				
≥ 400	98.9	99.6	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.3
≥ 300 ≥ 200	98.9	99.6			1			,		100.0			1		_	-
≥ 200	98.9	99.6								100.0						
≥ 100 > 0	98.9	99.6					1	1		100.0						1
≥ 0	98,9	99.6	99,6	1730.0	1700-0	700.0	100.0	100.0	100.0	100.0	100.0	700.0	700.0	700.0	100.0	126.3

TOTAL NUMBER OF OBSERVATIONS \_\_



LUMAL CLIMATOLOGY BRANCH LASCITAC A FATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

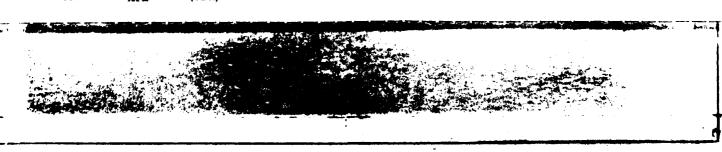
2 134 WILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ । ⅓	≥1%	≥1	≥ 1⁄4	≥ %	≥ ₩.	≥ 5/16	≥ %	≥0
NO CERING ≥ 20000	67.9 73.6	70.0 75.8	70.2 76.1	70.3 76.3	70.5 76.4	70.5 76.4		70.6 76.6	70.6 76.6	70.6 76.6	70.6 76.6	70.6 76.6	70.6 76.6	70.7 76.6	70.7 76.6	70•7 76•7
≥ 18000 ≥ 16000	74 • 6 75 • 3	76.8 77.2	77.1 77.5	77.3	77.4 77.8	77.4	77.5 77.9	77.5 78.0	77.5 78.0	77.6 78.0	77.6 78.0	77.6 78.0	77.6 78.0	77.6 78.0	77.6 78.1	77.7 78.1
≥ 14000 ≥ :2000	77.7 80.6	80.0 83.0	80.3 83.4	80.5 83.6	80 • 6 83 • 7	80.6 83.7	83.8	80.8 83.9	80.8 83.9	80.8 83.9	80.8 83.9	80.8 83.9	80.8 83.9	80.8	80.8 83.9	80.9 84.0
≥ 10000 ≥ 9000	83.7 84.8	86.1 87.3	86.6 87.8	88.0	87.0 88.2	87.0 88.2	88.2		87.1 88.3	87.1 88.3	87.1 88.3	87.1 88.3	87.1 88.3	87.1 88.4	87.2 88.4	87.2 88.4
≥ 8000 ≥ 7000	86.6 87.6	89.2 90.2	89.6 90.7	90.9		90.1 91.1	90.1 91.1	90.2	90.2 91.2	90.2 91.2	90.2	90.2 91.3	90.2	90.2 91.3	90.3 91.3	90.3
≥ 6000 ≥ 5000	90.4	93.1 95.5		7993	94.3 96.7	94.4	96.8	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.6	94.6
≥ 4500 ≥ 4000 ≥ 3500	92.8 93.1 93.5	95.7 96.0	96.3 96.6 96.9		97.0 97.3	97.0 97.4	97.4	97.1 97.5 97.8	97.1 97.5 97.8	97.1 97.5 97.8	97.2 97.5 97.9	97.2 97.5 97.9	97.2 97.5 97.9	97.2 97.5 97.9	97.2 97.6 97.9	97.2 97.6 97.9
≥ 3000 ≥ 2500	94.3	97.3 97.5	98.1 98.1	97.3 98.3 98.4	98.8 98.9	97.7 98.8 98.9	98.9		99.D 99.2	99.D 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1 99.2	99.1	99.1 99.3
≥ 2000 ≥ 1800	94.5	97.6 97.7	98.2 98.3	98.6 98.7	99.0 99.1	99.1	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.4	99.4	99.4
≥ 1500 ≥ 1200	94.6 94.6	97.8 97.8	98.4	1	99.2	99.3	99.4	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6 99.7
≥ 900	94.6	97.8	98.5	98.8	99.4	99.5		99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.8	99.8 99.8	99.8 99.8
≥ 800	94.7	97.9 97.9	98.5 98.5		99.4 99.4	99.5		99.7 99.8	99.7	99.8 99.8	99.8 99.8	99.8	99.8	99.8	99.8 99.8	99.8 99.9
≥ 600 ≥ 500 ≥ 400	94.7	97.9	98.5	98.9	99.4	99.5	99.6	99.8	99.8		99.8	99.8	99.8	99.8	99.8	99.9
≥ 300 ≥ 200	94.7	97.9	98.5	98.9	99.4	99.5 99.5	99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8	99.8	99.8 99.8	99.9	99.9	99.9 100.0
≥ 100 ≥ 0	94.7	97.9 97.9 97.9	98.5	98.9 98.9 98.9	99.4	99.5 99.5	99.6	99.8	99.8	99.8	99.8 99.8 99.8	99.8	99.8	99.9	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_



GLORAL CLIMATOLOGY BRANCH LYAFETAC ATE WEATHER SERVICE/MAC

USE WITH CAUTION GEE FIRST PAGE

# CEILING VERSUS VISIBILITY

2 1 4

WILLIAMS AFB AZ

70,73-81

FEB

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3300-0500

(FEET)							VIS	BILITY ST	ATUTE MILI	ES						1
	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	75.5 79.1	75.5	75.5 79.1	75.9 79.5												
≥ 18000 ≥ 16000	79.1	79.1	79.1	79.1			79.1	79.1	79.1 79.1	79.1 79.1	79.1	79.1 79.1	79.1 79.1	79.1	79.5 79.5	79.5
≥ 14000 ≥ 12000	83.2	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.8	81.8
≥ 10000 ≥ 9000	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	83.2	86.8	86.8	86.8	86.8	86.8	87.3	87.3
≥ 8000 ≥ 7000	8 <b>8.</b> 2	90.5	1	90.5	90.5	,	90.5	90.5	90.5		90.5	90.5	90.5	90.5	90.9	95.9
≥ 6000 ≥ 5000	93.6	94.1	91.4 94.1	94.1	91.4	94.1	91.4 94.1	94.1	91.4	91.4	91.4	91.4	94.1	94.1	91.8	94.5
≥ 4500 ≥ 4000	97.3	96.8	96.8	97.7		97.7	96.8	96.8 97.7	96.8 97.7	96.8	96.8	96.8	96.8 97.7	96.8	97.3 98.2	98.2
≥ 3500 ≥ 3000	97.3 97.7	97.7 98.2	97.7 98.2	97.7 98.2	98.2		97.7 98.2	97.7 98.2	97.7 98.2	97.7	97.7 98.2	97.7	97.7	98.2	98.6	98.6
≥ 2500 ≥ 2000	98.2	98.6	99.5		- 1		99.5	98.6	98.6 99.5	98.6	98.6		98.6		100.0	100.0
≥ 1800 ≥ 1500	98.2	99.5		, , , , ,	99.5	99.5	99.5	99.5	99.5	99.5	99.5		99.5	99.5		100.0
≥ 1200	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5		99.5	100.0	100.0
≥ 900 ≥ 800	98.2	99.5	99.5		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0
≥ 700 ≥ 600	98.2	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0
≥ 500 ≥ 400	98.2	99.5	99.5	- 1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5		100.0
≥ 300 ≥ 200	98.2	99.5	99.5		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5		99.5	•	100.0
> 100 > 0	98.2 98.2	99.5	99.5	99.5 99.5	99.5		99.5 99.5	99.5 99.5	99.5	99.5	99.5	99.5	99.5 99.5	99.5	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

LICAT ETAC FORM G-14-5 (CL A) PREVIOUS EDITIONS OF THIS FORM ARE OSCOLET



STORAL CLIMATOLOGY BRANCH AFETAC AL REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

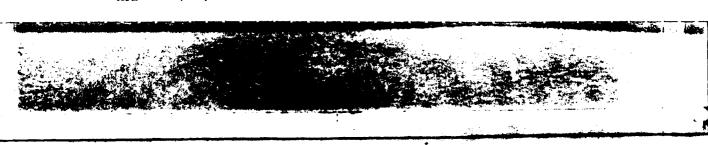
2 1 4 WILLIAMS AFB AZ

70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U600-0800

CEHING							VIS	SIBILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ₩	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	72 • 2 76 • 2	72.9 76.9	72.9 76.9	72.9	73.1 77.0	73.1	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.0	73.1 77.5
≥ 18000 ≥ 16000	77.1	77.7 78.1	77.7 78.1	77.7 78.1	77.8 78.3	77.8	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3	77.8 78.3
≥ 14000 ≥ 12000	80.4 82.2	81.1 83.2	81.1	81.1 83.2	81.2 83.3	81.2 83.3	81.2	81.2 83.3	81.2 83.3	81.2 83.3	81.2 83.3	81.2	81.2 83.3	81.2 83.3	81.2 83.3	91.2 83.3
≥ 10000 ≥ 9000	85.1 86.3	86.4 87.5	86.5 87.7	86.5 87.7	86.7 87.8	86.7 87.8	86.7	86.7 87.8	86.7 87.8	86.7 87.8	86.7 87.8	86.7	86.7 87.8	86.7 87.8	86.7 87.8	86.7 87.8
≥ 8000 ≥ 7000	87.4	88.6 89.3	88.8	88.8	88.9	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	88.9	88.9	88.9	88.9	88.9	88.9 89.6	88.9
≥ 6000 ≥ 5000	91.3 94.5	93.0 96.2	93.1 96.5	93.1 96.5	93.3	93.3 96.6	93.3 <u>96.6</u>	93.3 96.6	93.3 96.6	93.3	93.3	93.3 96.6	93.3 96.6	93.3 96.6	93.3 96.6	93.3
≥ 4500 ≥ 4000	94.8 95.5	96.5 97.2	96.8 97.5	96.8 97.5		96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6	96.9 97.6
≥ 3500 ≥ 3000	96.2 96.8	97.9 98.5	98.2 98.7	98.2 98.7	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9	98.3 98.9
≥ 2500 ≥ 2000	96 • 8 96 • 9	98.7 99.0	99.0	99.2	99.4 99.7	99.4	99.4 99.7	99.4	99.4 99.7	99.4	99.4	99.4	99.4 99.7	99.4 99.7	99.4 99.7	99.4 99.7
≥ 1800 ≥ 1500	9 <b>6 •</b> 8	99.0	99.3	99.4	99.7	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7
≥ 1200 ≥ 1000	96.8 96.8	99.0	99.3	99.4	99.7 99.7	99.7 99.7	99.7 99.7	99.7	99.7 99.7	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7
≥ 900 ≥ 800	96.8	99.0	99.3	99.4	99.7	99.7	99.7 99.9	99.7	99.7 99.9	99.7	99.7	99.7	99.7	99.7	99.7 99.9	99.7
≥ 700 ≥ 600	96.8 96.8	99.0	99.3	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9 99.9	99.9 99.9	99.9 99.9
≥ 500 ≥ 400	9 <b>6 •</b> 8	99.0	99.3 99.3	99.4 99.4	99.9	99.9	99.9	100.0		100.0 100.0	100.0 100.0	100.0	100.0	100.0		0.00
≥ 300 ≥ 200	96.8 96.8	99.0	99.3	99.4	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0
≥ 100 ≥ 0	96.8 96.8	99.0	99.3	99.4	99.9	99.9	99.9	100.0 100.0			100.0		100.0 100.0	100.0		100.C



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

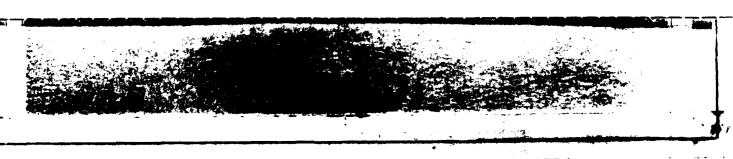
2 1 4 .ILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		<del></del>					VIS	BILITY ST	ATUTE MIL	ES-	_					
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥%	≥%	≥ 5/16	≥ 16	≥0
NO CEILING ≥ 20000	72.4 77.1	73.8 78.8	73.8 78.8	73.8 78.8	73.9 78.9	73.9 78.9	73.9 78.9	73.9 78.9	73.9 78.9	74.0 79.0	74.0 79.0		74.0 79.0	74.0 79.0		
≥ 18000 ≥ 16000	78.8 79.1	80.2 80.6	80.2 80.6	80.2 80.6	80.4 80.7	80.4 80.7	8 • 4 80•7	80.4 80.7	80.4 80.7	80.5 80.9	80.5 80.9	80.5 80.9	8D.5	80.5 80.9	80.5 AD.9	
≥ 14000 ≥ 12000	81.	82.4	82.4 84.9	82.6 85.0	82.7 85.1	82.7 85.1	82.7 85.1	82.7 85.1	82.7 85.1	82.8 85.2						
≥ 10000 ≥ 9000	85.2 86.3	86.8 87.9		87.0 88.0	87.2 88.3	87.2 88.3	87.2 88.3	87.2 88.3	87.2 88.3	87.3 88.4	87.3 88.4	87.3 88.4	87.3 88.4	87.3 88.4	87.3 88.4	88.4
≥ 8000 ≥ 7000	8 <b>8.4</b> 8 <b>8.</b> 9	90.0			90.5 91.0	91.0	90.5 91.0	90.5 91.0	90.5 91.0	90.6 91.1	90.6 91.1	90.6	90.6	90.6 91.1	90.6 91.1	90.6 91.1
≥ 6000 ≥ 5000	90.9 93.8	92.7 96.1	92•8 96•3	92.9	93.2	97.1	93.2 97.1	93.2	93.2 97.1	93.3 97.2	93.3	93.3	93.3	93.3	93.3	97.2
≥ 4500 ≥ 4000	93.8 94.8	96.1 97.3	96.3 97.6	96.5 97.7	97.1 98.3	97.1 98.3	97•1 98•3	97.1 98.3	97.1 98.4	97.2 98.5	97.2 98.5	97.2 98.5	97.2 98.5	97.2 98.5	97.2 98.5	98.5
≥ 3500 ≥ 3000	94.9	97.4 97.9		97.8 98.3	98.4	98.4 98.9	98.4 98.9	98.4 98.9	98.5	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7	98.7 99.1	98.7 99.1
≥ 2500 ≥ 2000 ≥ 1800	95.5 95.5	98.2 98.2	98.4	98.5 98.7	99.1 99.3	99.3	99.1 99.3	99.1	99.4	99.4	99.4	99.4	99.4	99.4	99.4	
≥ 1500	95.5 9 <b>5.</b> 5	98.2 98.4 98.4	98.4 98.7 98.7	98.7 98.9 98.9	99.3 99.5	_//	99.3 99.6	99.5 99.6	99.4 99.8	99.5 99.9	99.5 99.9	99.5 99.9	99.5 99.9	99.5 99.9	99.5 99.9	99.5 99.9 99.9
≥ 1000	95.5 95.5	98.4	98.7	98.9	99.5	99.5	99.6	99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	95.5 95.5	98.4	98.7 98.7	98.9 98.9	99.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	9 <b>5.5</b>	98.4	98.7 98.7	98.9	99.6	99.6	99.8	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.5 95.5	98.4	98.7	98.9	99.6	99.6	99.8	99.8	99.9	100.0		100.0	100.0	100.0	100.0	100.0
≥ 200	95.5 95.5	98.4	98.7	98.9	99.6	99.6	99.8	99.8	99.9	100.0		100.0	100.0	100.0	100.0	100.0
≥ 0	95.5	98.4	98.7	98.9	99.6		99.	99.			100.0					1

TOTAL NUMBER OF OBSERVATIONS \_



ELEBAL CLIMATOLOGY BRANCH CTAFETAC AL . WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 .14 WILLIAMS AFB AZ

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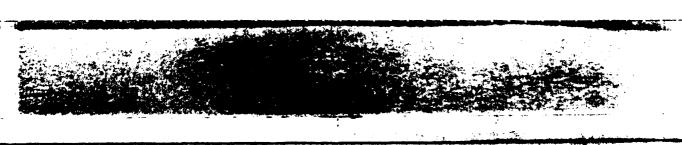
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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.E.Y.)

CEILING							VIS	IBILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1¼	≥1	≥ %	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	70.7 7 <b>7.</b> 9	71.7				72.0	72.0 79.6	72.0 79.6	72.0	72.0 79.6	72.0	72.0	72.0	72.0 79.6	72.0	72.0 79.6
≥ 18000 ≥ 16000	78.6 78.8	79.7 79.9		83.2 80.4		80.3 80.5	80.3 80.5	80.3 80.5	80.3 80.5	80.3 80.5	80.3 A0.5	80.3 80.5	80.3 80.5	80.3 80.5	80.3 80.5	8û∙3 80∙5
≥ 14000 ≥ 12000	81.4 83.1	82.5 84.2	82.7 84.4	83.0 84.7	83.0 84.7	83.1 84.8	83.1 84.8	83.1 84.8	83.1 84.8	83.1 84.8	83.1 84.8	83.1	83.1 84.8	83.1 84.8	83.1 84.8	83.1 84.8
≥ 10000 ≥ 9000	84.9 85.8	86.0 86.9	86.3 87.1	86.5 87.3	86.5 87.3	86.6 87.5										
≥ 8000 ≥ 7000	87.0 .7.6	88.7	88.3	88 • 6 89 • 2	89.2	88.7 89.3	88.7 89.3	88.7 89.3	88.7 89.3	88.7 89.3	88.7 89.3	88.7	88.7 89.3	88.7 89.3	88.7 89.3	88.7
≥ 6000 ≥ 5000	92.5		94.4	94.8	91.7 94.8	91.8	94.9	94.9	91.8 94.9	94.9	91.8 94.9	91.8 94.9	91.8 94.9	91.8	94.9	94.9
≥ 4500 ≥ 4000	92.8	95.2	96.6	97.0	97.0	95.3 97.1	97.1	95.3 97.1	97.1	95.3 97.1	95.3 97.1	95.3 97.1	97.1	95.3 97.1	97.1	97.1
≥ 3500 ≥ 3000 ≥ 2500	95.,3 96.6	97.1 98.4	98.8	99.1	99.1	99.3	97.9	97.9	99.3	99.3	97.9	97.9	99.3	97.9	99.3	99.3
≥ 2000	96.6	98.4	98.8	99.1	99.3	99.4	99.4	99.4	99.4	99.3	99.3	99.3	99.3	99.4	99.4	99.3
≥ 1500	96.6 96.6	98.5	98.8 98.9		99.3 99.5	99.4 99.6	99.4 99.9	99.9	99.4	99.4	99.4	99.4	99.4	99.4	99.9	99.4
≥ 900	96.6	98.7	99.0	99.4	99.6 99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 800 ≥ 700	96.6	98.7	99.0	99.4	99.6	99.8	100.0	100.0	100.0	ם בממו	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	96.6	98.7	99.0	99.4	99.6	99.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.6	98.7	99.0	1 1 1 1 1	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.6	98.7	99.0	99.4	99.6	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	96.6	98.7	99.0	99.4	99.6	99.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_



GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

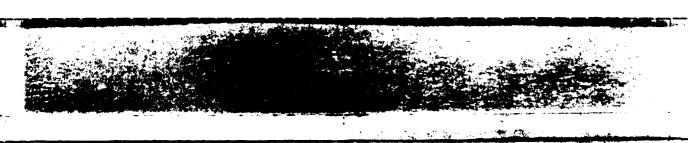
2 1 4 WILLIAMS AFB AZ
STATION STATION NAME

70.73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILLITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ ₩	≥ 5/16	≥%	≥0
NO CEILING ≥ 20000	70.0 76.4	70.5 76.9	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3	70.7	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3	70.7 77.3
≥ 18000 ≥ 16000	77.8 78.3	78.3 78.9	78.7	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7 79.3	78.7	78.7 79.3	78.7 79.3
≥ 14000 ≥ 12000	80.7 82.6	81.2 83.1	81.6	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5	81.6 83.5
≥ 10000 ≥ 9000	85.9 87.1	86.4	86.8	86.8 88.0	86.8 88.0	86.8 88.0	86.8 88.0	86.8 88.0	86.8 88.0	86.8 88.0	86.8	86.8 88.0	86.8 88.0	86.8 88.0	86.8	86.8 88.0
≥ 8000 ≥ 7000	88.6 89.2	89.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2	89.6	89.6 90.2	89.6 90.2	89.6 90.2	89.6 90.2
≥ 6000 ≥ 5000	91.8 94.1	92.5	93·1 95·5	93.1 95.5	93 <b>.3</b> 95.9	93.3 95.9		93.3 95.9	93.3 95.9	93.3 95.9	93.3 95.9	93.3 95.9	93.3 95.9	93.3 95.9	93.3 95.9	93.3 95.9
≥ 4500 ≥ 4000	94.3 95.9	95.1 96.8	95.8 97.5	95.8 97.5	96.2 97.9	96.2 97.9		96.2 97.9	96.2 97.9	96.2 97.9	96•2 97•9	96 • 2 97 • 9	96.2 97.9	96.2 97.9	96.2 97.9	96.2 97.9
≥ 3500 ≥ 3000	96.6 97.4	97.5 98.3	98.2 99.1	98.2 99.1	98.5 99.5	98.5 99.5		98.5 99.5	98.5 99.5	98.5 99.5	98.5 99.5	98.5 99.5	98.5 99.5	98.5 99.5	98.5 99.5	98.5 99.5
≥ 2500 ≥ 2000	97.4 97.4	98.3 98.4	99.1 99.2	99.1 99.2	99.5	99.5	99.5 99.6	99.5 99.6	99.5 99.6	99.5	99.5	99.5 99.6	99.5	99.5	99.5 99.6	99.5 99.6
≥ 1800 ≥ 1500	97.4 97.4	98.4 98.4	99.2	99.2	99.6	99.6	100.0	99.6 100.0	99.6 100.0	99.6 100.0	99.6 100.0	99.6 100.0	99.6 100.0	99.6	99.6 100.0	99.6 100.0
≥ 1200 ≥ 1000	97.4 97.4	98.4 98.4	99.2	99.3	99.9		100.0		100.0	100.0	100.0 100.0		100.0 100.0		100.0 100.0	100.0
≥ 900 ≥ 600	97.4 97.4	98.4 98.4	99.2	99.3	99.9	99.9	100.0 100.0	100.0	100.0 100.0	100.0		100.0	100.0		100.0 100.0	
≥ 700 ≥ 600	97.4	98.4	99.2	99.3	99.9	99.9	100.0 100.0	100.0	100.0 100.0	100-0	100.0		100-0	100.0	100.0	100.0
≥ 500 ≥ 400	97.4	98.4	99.2	99.3	99.9	99.9	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 300 ≥ 200	97.4	98.4	99.2	99.3	99.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	97.4 97.4	98.4	99.2	99.3	99.9		100.0 100.0	100.0 100.0								

TOTAL NUMBER OF OBSERVATIONS \_\_\_



GLUBAL CLIMATOLOGY BRANCH SCAFETAC ATE WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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FER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

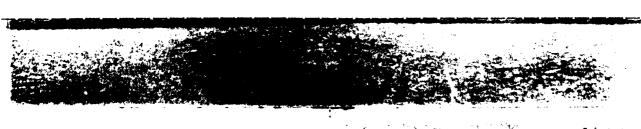
1800-2000

CEILING			_				vis	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	77.5 81.0	77.5 81.0	77.5 81.0	77.5 81.0		77.5 81.0	77.5 81.0		77.5 81.0		77.5 81.0	77.5 81.0	77.5 81.0	77.5 81.0	77.5 81.0	77.5 81.0
≥ 18000 ≥ 16000	82.0 83.1	82.0 83.1	82.0	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1	82.0 83.1							
≥ 14000 ≥ 12000	85.7 87.4	85.7 87.4	85.7 87.4	85.7 87.4		85.7 87.4	85.7	85.7 87.4	85.7 87.4	85.7 87.4	85 • 7 87 • 4	85.7 87.4	85.7 87.4	85.7 87.4	85.7 87.4	85.7 87.4
≥ 10000 ≥ 9000	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1 90.9	90.1
≥ 8000 ≥ 7000	92.5	92.5	92.5			92.5		92.5	92.5			92.5	92.5	92.5	92.5	
≥ 6000 ≥ 5000	94.7	94.8	94.8	94.8		94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 4500 ≥ 4000	76 • 8 98 • 1	97.2	97.2		97.4	97.4		97.4	97.4	97.4	97.4 98.7	97.4	97.4	97.4	97.4 98.7	97.4
≥ 3500 ≥ 3000	98.2 98.7	98.9	98.9	98.9	7984	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500 ≥ 2000	98.7	99.7	99.7	99.8				100.0	100.0	100.0	100.0	***		100.0	100.0	100.C
≥ 1800 ≥ 1500	98.7	99.7	99.7	99.8	100.0			100.0	*****	100.0		***		100.0	100.0	100.0
≥ 1200 ≥ 1000	98.7	99.7	99.7	99.8	100.0		100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0
≥ 900 ≥ 800	98.7	99.7	99.7	99.8 99.8	100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0
≥ 700 ≥ 600	98.7	99.7	99.7		100.0		100.0		100.0		100.0	100.0		100.0	100.0	100.0
≥ 500 ≥ 400	98.7	99.7	99.7		100.0		100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.7	99.7	99.7	99.8	100.0	100.0	100.0		100.0		100.0		100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.7	99.7	99.7	99.8	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_

617

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH GCAFETAC ATR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

### CEILING VERSUS VISIBILITY

2 1 4 WILLIAMS AFB AZ

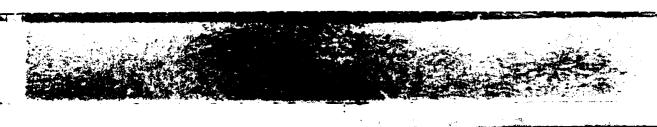
70,73-81

FEE

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY ST	ATUTE MIL	ES-		····			<del>.</del>	
(FEET)	≥ 10	≥6	≥ 5	≥4	≥3	≥2%	≥ 2	≥1%	≥11/2	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	61.3 85.7	81.3	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7	81.3 85.7
≥ 18000 ≥ 16000	86.1	86.1	86.1 86.1	86.1	86.1 86.1	86.1 86.1	86 • 1 86 • 1	86.1 86.1	86.1 86.1	86.1 86.1	86 • 1 86 • 1	86.1 86.1	86.1 86.1	86.1 86.1	86.1 86.1	86.1 86.1
≥ 14000 ≥ 12000	97.2	87.2 90.8	1	–		1		87.2 90.8		87.2 90.8	87.2 90.8	87.2 90.8	87.2 90.8		87.2 90.8	87.2 90.8
≥ 10000 ≥ 9000	94.5 94.9	94.5	1	'''				94.5		94.5	94.5 94.9	94.5	94.5		94.5 94.9	94.5
≥ 8000 ≥ 7000	95.6 9 <b>6</b> .0	95.6	1					95.6 96.0		95.6 96.0		95.6 96.0	95.6 96.0			95.6 96.0
≥ 6000 ≥ 5000	97.8 98.5	98.2 99.6	1	98.2 99.6		1	1		98•2 99•6	98.2 99.6		98.2 99.6	98.2 99.6		98.2 99.6	98•2 99•6
≥ 4500 ≥ 4000	98.5 98.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	
≥ 3500 ≥ 3000	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 2500 ≥ 2000	98.9 98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 1800 ≥ 1500	98.9 98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 1200	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 900 ≥ 800	98.9	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 700 ≥ 600	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		160.0
≥ 500 ≥ 400	98.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.9	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 100 ≥ 0			1	1									1		100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



CLUBAL CLIMATOLOGY BRANCH SAFETAC ATM MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

1 4 WILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIUNG							VIS	BILITY ST.	ATUTE MIL	ES-			,			
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/.	≥ 2	≥1%	≥1%	≥1	≥ ¥.	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	73.1 78.2	73.8	73.8 79.1	73.8 79.1	73.9	73.9 79.2	73.9	73.9	73.9 79.2	73.9	73.9	73.9 79.2	73.9 79.2	73.9	73.9 79.2	73.9
≥ 18000 ≥ 16000	79.7	79.9	80.1	80.1	80.2	80.2	80.2	80.2 80.6	80.2 80.6	80.2	80.2 80.6	80.2 80.6	80.2	80.2	80.2	80.2
≥ 14000 ≥ :2000	82.0	82.7	82.9	82.9	83.0 85.0	83.0	83.0 85.1	83.0 85.1	83.0 85.1	83.0 85.1				83.0 85.1	83.3 85.1	83.0
≥ 10000 ≥ 9000	86.7	87.5 88.5	87.6	87.7	87.8 88.8	87.8	87.8	87.8	87 • 8 88 • 8	87.8 88.8	87.8 88.8	87.8 88.8	87 · 8	87.8 88.8	87.8 88.8	87.8 88.8
≥ 8000 ≥ 7000	89.2	90.0	90.2	90.2	90.3	90.3	90.3	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4	90.4
≥ 6000 ≥ 5000	92.1 94.6	93.2 95.9	93.4	93.4	93.5 96.5	93.6	93.6	93.6	93.6	93.6	93.6	93.6 96.6	93.6	93.6	93.6	93.6
≥ 4500 ≥ 4000	94.9	96.2	96.4	96.3 96.5 97.7	96.8 98.0	96.8	96.8	96.8	96.8 96.8	96.6 96.8 98.1	96.6 96.8 98.1	96.8 98.1	96.8 98.1	96.6 96.8		96.8
≥ 3500 ≥ 3000	96.4	97.9	98.2	98.2	98 • 5 99 • 3		98.5 98.5	98.5 98.5	98.5	98.6	98.6	98.6	98.6	98.6	98.6 99.4	98 • 6 99 • 4
≥ 2500 ≥ 2000	97.1	98.7	99.1	99.2	99.5		99.5	99.5	99.5 99.6	99.5	99.5	99.5		99.5	99.5	99.5
≥ 1800 ≥ 1500	97.1 97.1	98.8 98.8 98.9	99.1	99.3	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6		99.6	99.7	99.7
≥ 1200 ≥ 1000	97.1 97.1	98.9	99.2		99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800	97.1 97.1	98.9	99.2		99.7	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 700 ≥ 600	97.1 97.1	98.9	99.2		99.8		99.9	99.9		100.0			100.0	100.0	100.0	100.0
≥ 500 ≥ 400	97.1 97.1	98.9	99.2		99.8	99.8	99.9	99.9		100.0	100.0	100.0		100.0	100.0	100.C
≥ 300 ≥ 200	97.1	98.9	99.2 99.2		99.8		99.9	99.9	100.0		100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.1 97.1	98.9	99.2	99.4	99.8	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



GLOPAL CLIMATOLOGY BRANCH USAFETAC A: SEATHER SERVICE/MAC USE WITH CAUTION BEE FIRST PAGE

# CEILING VERSUS VISIBILITY

2 4

WILLIAMS AFB AZ

70,73-81

MAP

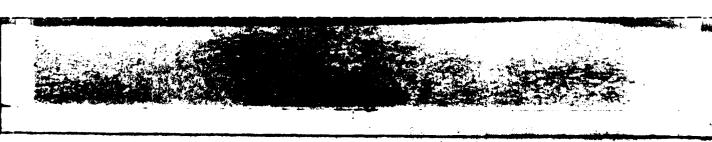
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0506 Hours (L.s.T.)

CEILING							٧١S	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ %	≥%	≥ ¥:	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	72.9 78.1	73.3 78.5	74.1 79.4	74 • 1 79 • 4	74.1		74 • 1 79 • 4	74.1	74.1	74.1	74.1 79.4	74.1	74.1	74.1	74 • 1 79 • 4	74 • 1 79 • 4
≥ 18000 ≥ 16000	78.5 78.9	78.9				————	79.8 80.2	79.8	79.8	79.8 80.2		79.8 80.2	79.8		79.8	79.8
≥ 14000 ≥ 12000	81.0	81.4	82.2	82.2		82.2	82.2	82.2		82.2	82.2	82.2		82.2	82.2	82.2
≥ 10000 ≥ 9000	86.6	87.0		87.9	87.9		87.9	87.9	87.9	87.9 88.3	87.9 88.3	87.9		87.9		87.9 88.3
≥ 8000 ≥ 7000	88.7	89.1	89.9		89.9		89.9	89.9	89.9	89.9	89.9	89.9		89.9		
≥ 6000 ≥ 5000	92.3	92.7	93.5	93.5	93.5	93.5	93.5	93.5		93.5 96.4	93.5	93.5	93.5	93.5	93.5	93.5
≥ 4500 ≥ 4000	95 • 1 96 • J	95.5	96.4	96.4	96.4	96.4	96.4			96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 3500 ≥ 3000	96.4	97.2	98.0	98.0	98.0 98.8	98.0		98.0 98.8	98.0 98.8	98.0			98.0	98.3	98.0	
≥ 2500 ≥ 2000	97.2	98.4	99.2			99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 1800 ≥ 1500	97.2 97.6	98.4	99.2			1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	_	99.2
≥ 1200 ≥ 1000	97.6	98.8 98.8	99.6 99.6		99.6	99.6	99.6 99.6	99.6	99.6 99.6		99.6	- 7 -	99.6	99.6	99.6	99.6 99.6
≥ 900 ≥ 800	97.6 97.6		99.6			99.6			99.6	99.6	99.6 100.0					99.6
≥ 700 ≥ 600	97.6	98.6	99.6			100.0	- 1	_							100.0 100.0	
≥ 500 ≥ 400	97.6 97.6		99.6			100.0			T :						100.0	
≥ 300 ≥ 200	97.6 97.6	- 1	99.6			100.0 100.0									100.0 100.0	180.0 180.0
≥ 100 ≥ 0	97.6	98.8	99.6			100.0	- 1									

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_2

USAF ETAC PORM O-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GEUPAL CLIMATOLOGY BRANCH L AFETAC ATT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1 4 ... AILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥ 2 ½	≥ 2	≥1%	≥11/4	≥1	≥ %	≥ %	≥ ٧;	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	71.8 77.1	72.7	73.1 78.3	73 • 1 78 • 3	73.2 78.4	73.2 78.4	73.2 78.4	73.2 78.4	73.2 78.4	73.2 78.4	73.2 78.4	73.2 78.4	73,2 78.4	73.2 78.4	73.2 78.4	73.2 78.4
≥ 18000 ≥ 16000	77.6	78.4 78.6	78.8 78.9		78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1	78.9 79.1
≥ 14000 ≥ 12000	78.6 81.2	79.7 82.3	80.0	80 • 0 82 • 7	80.2 82.8	80.2 82.8	80.2 82.8	80.2 82.8	80.2 82.8	80.2 82.8	80 • 2 82 • 8	80.2 82.8	80.2 82.8	80.2 82.8	80 • 2 82 • 8	80.2 82.8
≥ 10000 ≥ 9000	84.Z	85.3 85.4	85.7 85.8	85.7 85.8	85.8 85.9	85 - 8 85 - 9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9	85.8 85.9
≥ 8000 ≥ 7000	85.3 86.3	86.4 87.4	86.8	86 • 8 87 • 8	86.9 87.9	86.9	86.9 87.9	86.9 87.9	86.9 87.9	86.9 87.9	86.9 87.9	86.9 87.9	86.9 87.9	86.9 87.9	86.9 67.9	86.9 8 <b>7.</b> 9
≥ 6000 ≥ 5000	89.5 93.3	9J.6	91.0 94.8	91.0 94.8	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0	91.1 95.0
≥ 4500 ≥ 4000	93.8 95.1	94.9 96.4	95.3 96.8	95.3 96.8	95.5 97.0	95.5 97.0	95.5 97.0	95.5 97.0	95.5 97.0	95.5 97.0	95.5 97.0	95.5 97.0	95.5 97.0	95.5	95.5 97.0	95.5 97.3
≥ 3500 ≥ 3000	96.3 96.9	97.5 98.1	97.9 98.9	98.9	98 • 1 99 • 4	98 • 1 99 • 4	98.1 99.5	98.1 99.5	98.1 99.5	98 • 1 99 • 5	98.1 99.5	98.1 99.5	98.1 99.5	98.1 99.5	98.1 99.5	98 • 1 99 • 5
≥ 2500 ≥ 2000	97.1 97.1	98.5 98.5	99.1 99.1	99.1 99.1	99.6 99.6	99.6	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8	99.8 99.8
≥ 1800 ≥ 1500	97.1 97.3	98.5 98.6	99.3	99 • 1 99 • 3	99.6	99.6	99.8	99.8 99.9	99.8	99.8	99.8	99.8 99.9	99.8	99.8	99.8 99.9	<b>99.</b> 8
≥ 1200 ≥ 1000	97.4	98.6 98.8	99.3	99.3	99.8	99.8	100.0	99.9 100.0	99.9 100.0		99.9 100.0	***			99.9 100.0	
≥ 900 ≥ 800	97 <b>.4</b>	98.8 98.8	99.4	99.4	99.9	99.9	100.0	100.0		100.0	100.0 100.0		100.0		100.0 100.0	100.C
≥ 700 ≥ 600	97.4	98.8 98.8	99.4	99.4	99.9	99.9			100.0 100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 500 ≥ 400	97.4	98.8	99.4	99.4	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	97.4	98.8	99.4	99.4	99.9	99.9	100.0 100.0	100.0	100.0	100.0	100.0	120.0	100.0	100.0	100.0	100.0
· 100 ≥ 0	97.4	98.8	99.4	99.4	99.9		100.0 100.0			100.0					100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



GLUBAL CLIMATOLOGY BRANCH USAFETAC ATT MEATHER SERVICE/MAC

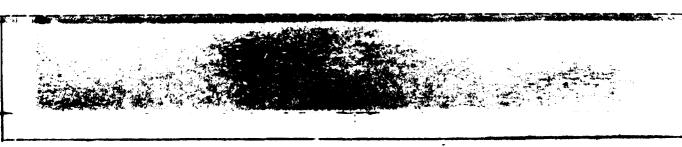
# CEILING VERSUS VISIBILITY

70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING						_	VIS	ABILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	69.9 7 <b>7.</b> 1	79.6 77.8	70.9 78.1	70.9 78.1	70.9 78.1	70.9 78.1	71.0 78.2			71.0 78.2	71.0 78.2	71.D 78.2	71.0 78.2	71.0 78.2		71.0 78.2
≥ 18000 ≥ 16000	77.6 78.1	78.4 78.7	78.6 78.9			78.6 78.9	1	78.7 79.0		78.7 79.0	78.7 79.0	78.7 79.0	78.7 79.0	78.7 79.0		78.7 79.5
≥ 14000 ≥ 12000	79.2 81.4	80.2 82.4	80.4 82.6	80.4 82.6	80.4 82.6	80.4	80.5 82.7	80.5 82.7	80.5 82.7	80.5 82.7	80 • 5 82 • 7	80.5 82.7	80.5 82.7	60.5 82.7	80.5 82.7	80•5 82•7
≥ 10000 ≥ 9000	34.5	85.5 85.9	85.7 86.1	85.7 86.1	85.7 86.1	85.7 86.1	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2	85.8 86.2
≥ 8000 ≥ 7000	86.0 57.0	87.0 88.0	87.2 88.2	87 • 2 88 • 2	87.2 88.2	87.2	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3	87.3 88.3
≥ 6000 ≥ 5000	89.5 92.0	90.5 93.2	90.8 93.4	90.8 93.4	90.8 93.5	90.8 93.5		90.9 93.7	90.9 93.7	90.9 93.7	90.9 93.7	90.9 93.7	90.9 93.7	90.9 93.7	90.9 93.7	90.9 93.7
≥ 4500 ≥ 4000	92 <b>•</b> 7	93.9 95.5	94.1 95.8	94 • 1 95 • 8	94.2 95.9	94.2	1	94.3 96.1	94.3 96.1	94.3 96.1	94.3 96.1	94.3 96.1	94.3 96.1	94.3 96.1	94.3 96.1	94.3 96.1
≥ 3500 ≥ 3000	96.4 97.1	97.4 98.6	97.7 98.9	97.7 98.9	98.1 99.2	98.1	98.3 99.5	98.3 99.5	98.3 99.5	98.3 99.5	98 • 3 99 • 5	98.3 99.5	98.3 99.5	98.3 9 <b>9.</b> 5	98.3 9 <b>9.</b> 5	98.3 99.5
≥ 2500 ≥ 2000	97.1 97.2	98.6 98.8	98.9 99.1	98.9 99.1	99.2 99.7	99.2	99.5 99.9	99.5	99.5 99.9		99.5	99.5	99.5			99.5
≥ 1800 ≥ 1500	97.2 97.2	98.8 98.8	99.1 99.1	99.1 99.1	99.7 99.7	99.7 99.7	99.9 99.9				99.9 99.9	99.9	99.9		' ' -	
2 1200 2 1000	97.3 97.3	98.9 98.9	99.2 99.2	99.2	99.8	•	100.0				100.0 100.0	100.0 100.0		100.0 100.0		
≥ 900 ≥ 800	97.3 97.3	98.9 98.9	99.2	99.2	99.8 99.8		100.0 100.0			100.0		100.0 100.0			100.0	- · · · · · · · · · · · · · · · · · · ·
≥ 700 ≥ 600	97.3 97.3	98.9 98.9	99.2 99.2	99.2 99.2	99.8 99.8		100.0 100.0				100.0 100.0		100.0 100.0		100.0 100.0	
≥ 500 ≥ 400	97.3 97.3	98.9 98.9		99.2	99.8	99.8	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0	100.0
≥ 300 ≥ 200	97.3 97.3	98.9 98.9		99.2	99.8	99.8	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	97.3 97.3	98.9 98.9	99.2	99.2	99.8	99.8	100.0				100.0 100.0		100.0 100.0			100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_



SERBAL CLIMATOLOGY BRANCH ingtac A" "EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 : 4 AILLIAMS AFB AZ

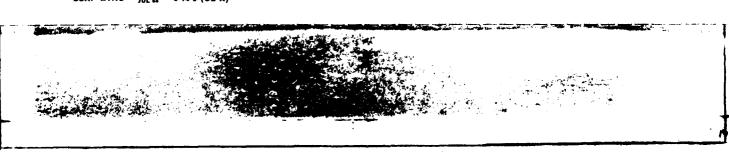
70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	BILITY ST	ATUTE MIL	ES						<del></del> -
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ '4	≥c
NO CEILING ≥ 20000	66.7 74.4	66.8		66 • 8 74 • 5		66 • 8 74 • 5	1	66.8	66.8	66.8 74.5	66.8		66.8 74.5	66.8 74.5	66 · 8	66 • 8 74 • 5
≥ 18000 ≥ 16000	75 • 5 76 • 0	75.6 76.1	75.6 76.1	75 • 6 76 • 1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	75.6 76.1	
≥ 14000 ≥ 12000	77.7 79.6	77.8 79.7			77.8 79.7	1		77.8 79.7	77.8 79.7		77•8 79•7		77.8 79.7		77.8 79.7	77.8
≥ 10000 ≥ 9000	83.2 83.3	83.3		83.3 83.4	83.3 83.4	83.3 83.4	83.3 83.4	83.3 83.4	83.3 83.4	83.3 83.4	83.3 83.4	83.3 83.4		83.3 83.4	83.3 83.4	83.3 83.4
≥ 8000 ≥ 7000	83.8 84.6	93.9	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7	83.9 84.7
≥ 6000 ≥ 5000	მ <b>6.8</b> 90.3	87.1 90.9	87•1 90•9	87.1 90.9	87.1 91.0	67.1 91.0	87.1 91.0	97.1	87.1 91.0	87.1 91.5						
≥ 4500 ≥ 4000	91.1 94.1	91.6	95.1	91.6 95.1	95.2		91.7 95.2	91.7 95.2	91.7 95.2	95.2	91.7 95.2	95.2		91.7 95.2	95.2	91.7 95.2
≥ 3500 ≥ 3000	96.2 97.3	97.1 98.4	98.6	97 <b>.3</b> 98.6	98.8	98.8	97.5 98.8	97.5 98.8	97.5 98.8	97.5 98.8	97.5 98.8	98.8	98.8	98.8	97.5 98.8	
2 2500 2 2000	97•5 97•7	98.6 98.8	99.0	98.8 99.1	99.6	99.6		99.0	99.0	99.9	99.0 99.9	99.9	99.9	99.9	99.9	
≥ 1800 ≥ 1500	27.7 97.7	98.8	99.0	99.1	99.6	99.6	99.9	99.9	99.9	99.9	99.9	90.9	99.9			99.9 99.5
≥ 1200	97.7 97.7	98.8 98.8	99.	99.1	99.6	99.6	99.9	99.9		99.9		99.9	99.9	99.9		99.9
≥ 900 ≥ 800	97.7 97.7	98.8	99.1	99.1 99.2	99.7	99.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 n
≥ 700 ≥ 600	97.1 97.1	98.9	99.1	99.2	99.7	99.7	180.0 180.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	97.7 <u>97.7</u> 97.1	98.9 98.9 98.9	99.1	99.2 99.2	99.7	99.7	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	100.0	100.2
≥ 200	97.7	98.9	99.1	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	<u>190.c</u>
≥ 100 ≥ 0	97.7	98.9	1	99.2			100.0							_		_

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH USAFETAC ATT LEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

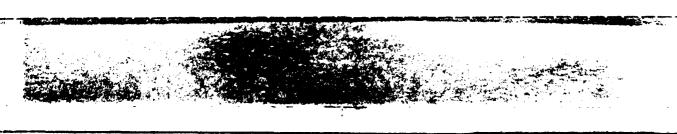
2 1 4 AILLIAMS AFB AZ

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### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY ST	ATUTE MIL	ES-		<del></del>				
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	68.5 7 <b>7.</b> 2	69.0 77.6	69.1 77.6	69.0 77.6	69.0 77.6			69.0 7 <b>7.6</b>	69.0 77.6	69.0 77.6					69.7 77.6	69.5 77.6
≥ 18000 ≥ 16000	78.3 78.7	78.8 79.2	78.8 79.2	78.8 79.2	78.8 79.2		78 • 8 79 • 2	78.8 79.2	78.8 79.2		78.8 79.2	l	78.8 79.2		78.9 79.2	78.5 79.2
≥ 14000 ≥ :2000	80.2 61.7	80.7 82.2	80.7 82.2	80.7 82.2	80.7 82.2			80.7 82.2	80.7 82.2	80.7 82.2	80 • 7 82 • 2	82.2		80.7 82.2	80.7 82.2	80.7
0000 ≤	8 <b>4.4</b>	84.9 85.5	85.5	85.5		85.5	85.5	85.5	85.5	84.9	84.9 85.5	85.5	85.5	85.5	84.9 85.5	84.9 85.5
≥ 8000 ≥ 7000 ≥ 6000	85.9 67.5	86.4 88.1	86.4 88.1	86.4 38.1 91.3	86.4 88.1 91.3	88.1	86.4 88.1 91.3	86.4 88.1 91.3	86.4 88.1 91.3	86.4 88.1 91.3	86.4 88.1 91.3	88.1	86.4 88.1 91.3	88.1	86.4 83.1 91.3	86.4 88.1 91.3
≥ 5000 ≥ 4500	94.5 94.6	95.4 95.6	95.6	1	95.7 95.8	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	
≥ 4000 ≥ 3500	95.8 96.7	96.7 97.8	96.8	96.8 98.1	97.0	97.0	97.0		97.5	97.0	97.0	97.0	97.0	97.0	97.0	
≥ 3000	97.4	98.4	98.7	98.7 98.8	98.8 98.9	98.8 99.1		98.8 99.1	98.8 99.1	98.8 99.1		98.8		98.8	98.8 99.1	98.8 99.1
≥ 1800 ≥ 1500	97.5 97.5	98.6 98.6	99.1	99.1 99.1	99.4	_					99.5 99.5					
≥ 1500 ≥ 1200 ≥ 1000	97.7 97.7	98.8 98.8	99.3	99.4	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	198.0	100.0	100.0	100.0
≥ 900 ≥ 800	97.7 97.7	98.8		99.4	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0		100.0 100.0	
≥ 700 ≥ 600	97.7 97.7	98.8 98.8 98.8	99.3	99.4	99.9	170.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 500 ≥ 400	97.1 97.1	98.8	99.3	99.4	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	97.7	98.8	99.3	99.4		100.0			100.0 100.0			100.0		100.0 100.0	100.0 100.0	190.9 188.9
≥ ¹00 ≥ 0	97.1 97.1	98 • 8 98 • 8	99.3	99.4		100.0	1		100.0			100.0			100.0 100.0	100.3 100.6

TOTAL NUMBER OF OBSERVATIONS \_\_\_



GLOBAL CLIMATOLOGY BRANCH OF AFETAC AND WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1 4

WILLIAMS AFB AZ

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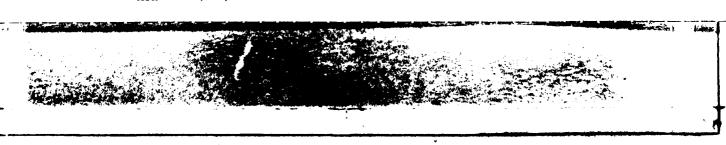
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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (LIST.)

CEILING							VIS	BILITY ST	ATUTE MIL	E5						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ½	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	72.5 78.5	73.5 79.5			73.9 79.9	73.9 79.9	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1	74.0 80.1
≥ 18000 ≥ 18000	79.5 79.6	80.5 80.6		80.8 80.9	80.9 81.0	80.9 81.0	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.0 81.2	81.C 81.2
≥ 14000 ≥ 12000	81.2 82.3	82.2 83.3	82.4 83.6	82.4 83.6	82.6 83.7	82.6 83.7	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8	82.7 83.8
≥ 10000 ≥ 9000	84.4 84.8	85.4 85.8	85.7 86.1	85.7 86.1	85.8 86.2	85.8 86.2	86 • D	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.€ 86.4
≥ 8000 ≥ 7000	85.8 37.4	86.8 88.3	87.1 88.6	87.1 88.6	87.2 88.9	87.2 88.9	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0	87.4 89.0
≥ 6000 ≥ 5000	89.9 94.2	90.9	91 • 2 95 • 8	91.2 95.8	91.4 96.1	91.4 96.1	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2	91.6 96.2
≥ 4500 ≥ 4000	94.5 95.2	95.6 96.3	96.1 96.8	96 • 1 96 • 8	96.3 97.1	96.3 97.1	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2	96.5 97.2
≥ 3500 ≥ 3000	96.6 97.1	97.8 98.5	98 • 2 98 • 9	98.2 98.9	98.5 99.2	98.5 99.2	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6 99.3	98.6	98.6 99.3	98.6 99.3	98 • 6 99 • 3	98.6 99.3
≥ 2500 ≥ 2000	97.1 97.3	98.5	98.9	98.9	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6 99.9	99.6 99.9
≥ 1800 ≥ 1500	97.5	98.7	99.2	99.2	99.7	99.7	99.9 100.0	99.9 100.0	99.9 100.0		99.9 100.0	99.9 100.0		99.9 100.0		99.9
≥ 1200 ≥ 000	97.5 97.5	98.9		99.3	99.9	99.9					100.0 100.0			1		
≥ 900 ≥ 800	97.5 97.5	98.9	99.3	99.3	99.9 99.9	99.9		100.0		100.0 100.0	100.0 100.0		100.0			
≥ 700 ≥ 600	97.5 97.5	98.9	1	99.3 99.3	99.9	99.9	100.0 100.0			100.0 100.0	100.0 100.0			100.0		100.C
≥ 500 ≥ 400	97.5 97.5	98.9		99.3 99.3	99.9		100.0		100.0 100.0	100.0 100.0	100.0 1 <b>00.</b> 0		100.0			100.C
≥ 300 ≥ 200	97.5 97.5	98.9		99.3	99.9			100.0 100.0		100.0 100.0	100.0 100.0		100.0 100.0			100.0
≥ 100 ≥ 0	97.5 97.5	98.9 98.9		99.3 99.3	99.9	99.9					100.0 100.0		100.0 100.0			

USAF ETAC THE 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



SLURAL CLIMATOLOGY BRANCH USAFETAC ATH MEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

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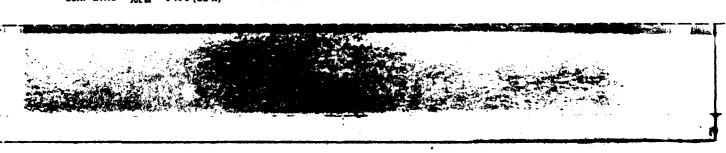
2 174 WILLIAMS AFB AZ

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	IBILITY ST	ATUTE MIL	ES:						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2½	≥2	≥:%	≥1%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	80.7 85.4	80.1	83.7	80.7 85.4	80 • 7 85 • 4	80.7	80.7	8D.7	80.7 85.4	80.7 85.4	80.7 85.4	80.7	80.7 85.4	80.7	80.7	80.7 85.4
≥ 18000 ≥ 16000	85.4 85.4	85.4	85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4	85.4 85.4	85.4 85.4	85.4	85.4	85.4	85.4	85.4 85.4
≥ 14000 ≥ 12000	86.6	86.8	86.8	86.8	86.8		86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 10000 ≥ 9000	89.8		89.8	89.8	89.8	89.8	89.8	89.8		89.8 90.4	89.8	89.8		89.8		89.8 90.4
≥ 8000 ≥ 7000	92.1	92.4			92.4	92.4	92.4	92.4			92.4	92.4		92.4	92.4	92.4
≥ 6000 ≥ 5000	94.2	94.6		94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4		94.4		94.4
≥ 4500 ≥ 4000	98 • 2 98 • 2	98.		98 • 8 98 • 8			98.8	98.8			98.8 98.8		98.8	98.8		
≥ 3500 ≥ 3000	98.2	99.4	-	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 2500 ≥ 2000		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0
≥ 1200 ≥ 1000	98 • 8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800		100.	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0
≥ 700 ≥ 600	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0		100.0	100.0	100.0
≥ 500 ≥ 400	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	
≥ 100 ≥ 0		100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_342



GELMAL CLIMATOLOGY BRANCH SSAFETAC ATA \*EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

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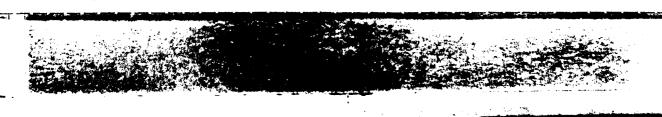
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING		-					VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥21⁄4	≥ 2	≥1%	≥1¼	≥1	≥ ¼	≥%	≥₩	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	70 • 6	71.2 78.0	71.4 78.2	71.4 78.2	71.4 78.2	71.4 78.2	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3	71.5 78.3
≥ 18000 ≥ 16000	78 • 2 78 • 5	78.8 79.1	78.9 79.2	78.9 79.2	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3	79.0 79.3
≥ 14000 ≥ 12000	79.9 81.8	80.6 82.4	80.8	80 • 8 82 • 6	80 · 8	80.8 82.7	80.8 82.7	80.8 82.7	80.8 82.7	80 · 8 82 • 7	80.8 82.7	80.8	80.8 82.7	80.8 82.7	80.8 82.7	80.8 <b>8</b> 2.7
≥ 10000 ≥ 9000	84.7 85.0	85.3 85.7	85.5 85.8	85.5 85.8	85.5 85.9	85.5 85.9	85.6 85.9	85.6 85.9	85.6	85.6 85.9	85.6 85.9	85.6 85.9	85.6 85.9	85.6 85.9	85.6 85.9	85.6 85.9
≥ 8000 ≥ 7000	86.0 87.1	86.7 87.8	86.8 88.0	86 • 8 88 • 0	86.9 88.1	86.9	86.9 88.1	86.9 88.1	86.9 88.1	86.9 88.1	86.9 88.1	86.9	86.9	86.9	86.9 88.1	86.9 88.1
≥ 6000 ≥ 5000	89.7	90.5 94.1	90.7 94.4	90.7	90.7	90.7	90.8 94.6	90.8 94.6	90 . B	90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 4500 ≥ 4000	93.7 95.1	94.6	94.8	94.8 96.5	95.0 96.6	95.0	95.0 96.7	95.0 96.7	95.0 96.7	95.0 96.7	95.0 96.7	95.0 96.7	95.0	95.0 96.7	95.0 96.7	95.0 96.7
≥ 3500 ≥ 3000	96.5 97.2	97.6 98.5	97.9 98.9	97.9 98.9	98.2 99.1	98.2	98.2 9 <b>9.</b> 2	98.2 99.2	98.2 99.2	98.2	98.2 99.2	98.2	98.2	98.2 99.2	98.2 99.2	98.2 99.2
≥ 2500 ≥ 2000	97.4 97.5	98.6 98.8	99.3	99.0	99.3	99.3	99.4	99.4 99.8	99.4 99.8	99.4 99.8	99.4 99.8	99.4	99.4	99.4 99.8	99.4 99.8	99.4
≥ 1800 ≥ 1500	97.5 97.6	98.8 98.9	99.2	99.2 99.3	99.6	99.6	99.8	99.8 99.9	99.8 99.9	99.8	99.8	99.8	99.8	99.8	99.8 99.9	99.8
≥ 1200 ≥ 1000	97.6 97.6	98.9 98.9	99.3	99.3	99.8	99.8	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0		99.9 100.0
≥ 900 ≥ 800	97.6 97.6	98.9 98.9	99.3	99.4	99.8	99.8	100.0				100.0 100.0	100.0		100.0		100.0
≥ 700 ≥ 600	97.6 97.6	98.9 98.9	99.3	99.4	99.8	99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0		100.0
≥ 500 ≥ 400	97.6 97.6	98.9	99.3	99.4	99.8	99,9	100.0	100.0	100.0		100.0	100.0	100.0		100.0	100.0
≥ 300 ≥ 200	97.6 97.6	98.9	99.3	99.4	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0		100.0	100.0	100.0
≥ 100 ≥ 0	97.6 97.6	98.9	99.3	99.4	99.8	99.9		100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0			100.0	100.0 100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_4817

USAF ETAC .... 0-14-5 (OL A) PREVIOUS ESTTIONS OF THIS PORM ARE OSSOLET



GE CRAL CLIMATOLOGY BRANCH USAFETAC AT ! WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

FILLIAMS AFB AZ

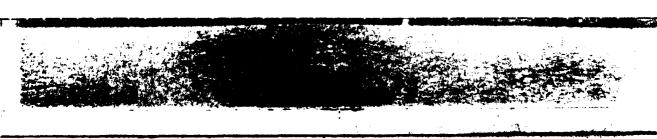
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### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							vis	BILITY -ST.	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2½	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	87.6 90.9	87.6	1	1		87.6 90.9			87.6 90.9		87.6 90.9	87.6	87.6	87.6 90.9	87.6 90.9	87.6 90.9
≥ 18000 ≥ 16000	91.3 91.3	91.3 91.3	91.3 91.3	91.3 91.3	91.3	91.3	91.3 91.3	91.3 91.3	91.3 91.3	91.3 91.3	91.3 91.3	91.3	91.3	91.3 91.3	91.3 91.3	91.3 91.3
≥ 14000 ≥ 12000	92.6 95.0	92.6 95.0	1			92.6 95.0			92.6 95.0	1	92.6 95.0	92.6 95.0	92.6 95.0			
≥ 10000 ≥ 9000	97.1 97.9	97.1	97.9	97.9	97.9	97.9	97.9		97.1 97.9			97.1 97.9	97.1 97.9	97.1 97.9	97.1 97.9	97.1 97.9
≥ 8000 ≥ 7000	98.6 98.8	98.8 98.8	98.8	98 • 8 98 • 8	98.8	98.8 98.8	98.8	98.8	98.8 98.8	98.8	98.8 98.8	98.8 98.8	98.8	98.8	98.8 98.8	98.8 98.8
≥ 6000 ≥ 5000 ≥ 4500	99.5	99.2	99.6	99.2	99.2	99.2	99.6	99.6	99.2	99.6	99.2	99.2	99.2	99.6		99.6
≥ 4000 ≥ 4000 ≥ 3500	99.6		100.0	100.0	100.0		100.0			100.0				100.0		100.0
≥ 3000	130.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0		100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0
≥ 2000	100.0	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0		100.0		100.0	100.0		100.0
≥ 1000	100.0	100.0	100.0	100.0	****	100.0	100.0	100.0	100.0		100.0		100.0	100.0		100.0
≥ 800		100.0		100.0	100.0	100.0	100.0		100.0	100.0		100.0		100.0		100.0
≥ 500		100.0		100.0		100.0	100.0 100.0			100.0						
≥ 400 ≥ 300 ≥ 200	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0			100.0 100.0	100.0 100.0	100.0 100.0		100.0	100.0
≥ 100	100.0		100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_



GLUBAL CLIMATOLOGY BRANCH UN AFETAC Alm MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1/14

WILLIAMS AFB AZ

70,73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 HOURS (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥4	≥3	≥21⁄:	≥ 2	≥1%	≥11%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	86.2 88.7	86.4	86.4 89.0	86.4	86.4 89.0	86.4 89.0	86.4 89.0	86.4 89.0	86.4 89.0	86.4 89.0	86.4 89.0	86.4 89.0	86.4 89.0	86.4	86.4 89.0	86.4 89.0
≥ 18000 ≥ 16000	89.1 89.1	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2	89.2 89.2	89.2 89.2	89.2 89.2
≥ 14000 ≥ 12000	91.2 92.6	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8	91.4 92.8
≥ 10000	93.6 94.2	93.9	94.5	94.5	94.5	93.9 94.5	93.9 94.5	93.9 94.5	93.9 94.5	93.9 94.5	93.9 94.5	93.9	93.9 94.5	93.9	93.9 94.5	93.9 94.5
≥ 8000 ≥ 7000	95.9 96.4	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2 96.7	96.2	96.2 96.7	96.2 96.7	96.2 96.7
≥ 6000 ≥ 5000	97.4	97.8 99.5	99.5		7794	97.8 99.5	97.8	97.8	97.8 99.5	97.8 99.5	97.8 99.5	97.8	97.8	97.8 99.5	97.8	97.8
≥ 4500 ≥ 4000	99.1 99.4	99.5	99.7	99.5	99.7	99.5 99.7	99.5 99.7	99.5	99.5 99.7	99.5	99.5 99.7	99.5 99.7	99.5	99.5	99.5	99.5 99.7
≥ 3500 ≥ 3000	99.4	99.7	7.7.0.7	<del> </del>		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7 99.9
≥ 2500 ≥ 2000 ≥ 1800	99.5	99.9	100.0	100.0	100-0		99.9 100.0	99.9 100.0	99.9 100.0	99.9 100.0			99.9 100.0	99.9 100.0		99.9
≥ 1500	99.6	100.0 100.0		100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0		100.0		100.0
≥ 1000	99.6	100.0	100.0	100.0	100.0	100.0		100.0	100.0 100.0	100.0	100.0	100.0		100.0		100.0
≥ 700	99.6	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		0.00
≥ 600	99.6	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.6	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0
≥ 200	99.6	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 0	99.6		17	100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.0			100.0

URAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE



GLOBAL CLIMATOLOGY BRANCH USAFETAC A14 WEATHER SERVICE/MAC

# **CEILING VERSUS VISIBILITY**

2 134

WILLIAMS AFB AZ

70,73-81

APR

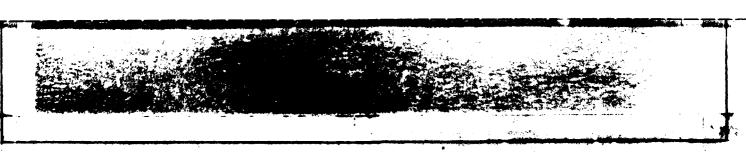
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING			_				vis	BILITY -ST	ATUTE MIL	ES.						
(FEE?)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄2	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	85.9 90.3	86.3 90.8	86.3 90.8	86 • 3 90 • 8	86.3 90.8	86 · 3	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8	86.3 90.8
≥ 18000 ≥ 16000	90.4 90.7	90.9	90.9	90.9	90.9	90.9 91.1	90.9	90.9 91.1	90.9	90.9 91.1	90.9 91.1	90.9 91.1	90.9 91.1	90.9 91.1	90.9 91.1	90.9 91.1
≥ 14000 ≥ 12000	91.9 93.2	92.3	92.3	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92•3 93•7	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7	92.3 93.7
≥ 10000 ≥ 9000	95.1 95.1	95.6 95.6	95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6
≥ 8000 ≥ 7000	95.9 96.3	96.8	96.3	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96 • 3 96 • 8	96.3 96.8	96.3 96.8	96.3 96.8	96.3 96.8	96.3	96.3 96.8	96.3 <b>96.</b> 8
≥ 6000 ≥ 5000	97.	97.4	97.4	97.4	97.4	97.4	97.4	97.4 99.3	97.4	97.4	97.4	97.4 99.3	97.4	97.4	97.4 99.3	97.4 99.3
≥ 4500 ≥ 4000	98.9 9 <b>9.</b> 2	99.3	99.	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3 99.7	99.3 99.7	99.3	99.3	99.3	99.3 99.7
≥ 3500 ≥ 3000	99.2	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7 100.0	99.7 100.0	99.7 100.0	99.7	99.7	99.7
≥ 2500 ≥ 2000	99.5		100.0	100.0	100.0	100.0		100.0	100.0	100.0		100.0		100.0	100.0	100.8
≥ 1800 ≥ 1500	99.6		100.0	100.0		100.0	100.0		17 7 7 7	100.0			100.0		100.0	100.0
≥ 1200 ≥ 1000	99.6		100.0	100.0	,	100.0								100.0		160.0
≥ 900 ≥ 800	99.6	100.0	100.0		100.0		100.0	100.0	100.0	100.0	100.0				100.0	100.0
≥ 700 ≥ 600	99.6		100.0												100.0	
≥ 500 ≥ 400	99.6		100.0	7		100.0								_		
≥ 300 ≥ 200	99.6		100.0			100.0				100.0						1
≥ 100 ≥ 0	99.6		100.0							100.0			1	1	100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_90

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLUBAL CLIMATOLOGY BRANCH IS AFETAC Ale WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

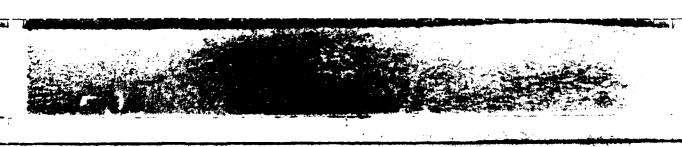
2'1"4 WILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		_	<del></del>				VIS	BILITY ST	ATUTE MILI	ES-						
(FEE?)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	66.1 89.9	86.1	86.1	86 • 2 90 • 0	86 • 2 90 • 0	86.2	86.2	86.2 90.0	86.2 90.0	86.2 90.0	86.2 90.0	86.2 90.0	86.2	86.2	86.2 90.0	86.2
≥ 18000 ≥ 16000	90 • 4 90 • 4	90.4	90.4	90.6 90.6	90.6	90.6	90.6 90.6	90.6	90.6 90.6	90.6 90.6	90.6 90.6	90.6 90.6	90.6 90.6	90.6 90.6	90.6 90.6	90.6 90.6
≥ 14000 ≥ 12000	91.3 91.8	91.3 91.8	91.3 91.8	91.4 91.9	91.4 91.9	91.4 91.9	91.4 91.9	91.4 91.9	91.4 91.9	91.4 91.9	91.4	91.4	91.4	91.4	91.4	91.4
≥ 10000 ≥ 9000	93.3 93.3	93.3	93.3 93.3	93.4 93.4	93.4 93.4	93.4 93.4	93.4 93.4	93.4 93.4	93.4	93.4 93.4	93.4 93.4	93.4	93.4 93.4	93.4	93.4 93.4	93.4
≥ 8000 ≥ 7000	94 • 8 95 • 1	94.8 95.1	94.8 95.1	94.9 95.2	94.9 95.2	94.9 95.2	94.9 95.2	94.9 95.2	94.9 95.2	94.9 95.2	94.9 95.2	94.9	94.9 95.2	94.9 95.2	94.9 95.2	94.9
≥ 6000 ≥ 5000	96.3 97.9	96.3	96.3	96 • 4 98 • 0	96.4 98.0	96.4 98.0	96.4 98.0	96.4 98.0	96 • 4 98 • D	96.4 98.0	96.4 98.0	96.4 98.0	96.4 98.0	96.4 98.0	96.4 98.0	96.4 98.0
≥ 4500 ≥ 4000	98.4 99.6	98.4	98.4	98.6 99.7	98.6 99.7	98.6 99.7	98 • 6 99 • 7	98.6 99.7	98.6 99.7	98.6 99.7	98.6 99.7	98.6	98.6 99.7	98.6 99.7	98.6 99.7	98.6
≥ 3500 ≥ 3000	9 <b>9.</b> 6	99.6	99.6		99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7 100.0	99.7	99.7 100.0	99•7
≥ 2500 ≥ 2000	9 <b>9.</b> 9	99.9	99.9	100.0 100.0					100.0	1	100.0	100.0				100.0
≥ 1800 ≥ 1500	99.9 99.9	99.9		100.0 100.0					100.0 100.0	-	100.0	100.0				100.0
≥ 1200 ≥ 1000	99.9	99.9	99.9	100.0							100.0 100.0					100.0
≥ 900 ≥ 800	99.9	99.9		170.0 100.0							100.0 100.0				100.0 100.0	
≥ 700 ≥ 600	99.9	99.9	99.9	100.0 100.0	100.0 100.0	1		-3	1	- 1	100.0 100.0			_	100.0	
≥ 500 ≥ 400	99.9	99.9	99.9	100.0 100.0	100-0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100 d	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.9	99.9 99.9		100.0												

TOTAL NUMBER OF OBSERVATIONS \_\_



GEOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1114 WILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	.ES-						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥1%	≥1%	≥1	≥ %	≥ %	≥ ⅓	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	31.6	82.1	82.2	82.2	82.3	1	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3	82.3 88.0	82.3 88.D
≥ 18000 ≥ 16000	87.4 87.6	87.8	88.0	88.0 88.2	88.1	88.1	88.1 88.3	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1	88.1 88.3
≥ 14000 ≥ 12000	88.7 90.4	89.2	1	89.3 91.0	89.4 91.1	89.4	89.4 91.1	89.4 91.1	89.4 91.1	89.4	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1
≥ 10000 ≥ 9000	92.8 92.8	93.3	93.4 93.4	93.4 93.4	93.5 93.5		93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5	93.5 93.5
≥ 8000 ≥ 7000	94.3 95.2	94.8 95.7	94.9 95.8	94.9 95.8	,,,,,	1	95.1 95.9	95.1 95.9	95.1 95.9	95.1 95.9	95.1 95.9	95.1 95.9	95.1 95.9	95.1 95.9	95.1 95.9	95•1 95•9
≥ 6000 ≥ 5000	96. 97.5	96.5	96.6 98.1	96 • 8 98 • 2	97.0 98.4	1	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4	97.0 98.4		97.0 98.4	97.0 28.4
≥ 4500 ≥ 4000	98 • 3 98 • 8	98.8	98.9 99.4	99.5	99.3	99.3	99.3 99.8	99.3 99.8	99.3	99.3 99.8			99.3 99.8			99.3 99.8
≥ 3500 ≥ 3000	99.0	99.5	99.6			100.0			100.0 100.0							100.0 100.0
≥ 2500 ≥ 2000	99.0	99.5	1	99.8	100.0	100.0		100.0	100.0 100.0	100.0		100.0 100.0				100.0 100.0
≥ 1800 ≥ 1500	99.0	99.5	99.6		100.0	1			100.0 100.0			100 • 0 100 • 0			100.0 100.0	
≥ 1200	99.1	99.5	99.6			100-0 100-0						100 • 0 100 • 0			100.0 100.0	
≥ 900 ≥ 800	99.1	99.	99.6	99.	100.0		100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0		100.0 100.0
≥ 700 ≥ 600	99.0	99.5	99.6	99.8	100.0		100.0	100.0	100.0	100.0		100.0 100.0				100.0 100.0
≥ 500 ≥ 400	99.0	99.5	99.6	99.8	100.0		100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	99.0	99.5		99.6	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.0	99.5	99.6			100.0 100.0						100.0 100.0		_		100.0 100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



GUCHAL CLIMATOLOGY BRANCH . . AFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 114 WILLIAMS AFB AZ

70,73-81

APR

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	SIBILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	82.7	82.9 88.8	83.0	83.0 89.0	83.1	83.1	83.1 89.1	83.1 89.1	83.1 89.1	83.1 89.1	83.1 89.1	83.1	83.1 89.1	83.1	83.1	83.1 89.1
≥ 18000 ≥ 16000	88.8 88.8	89.0	89.1	89.1 89.1	89.2	89.2 89.2	89.2 89.2		89.2 89.2	89.2	89.2 89.2	89.2 89.2	89.2 89.2	89.2	89.2 89.2	89.2 89.2
≥ 14000 ≥ 12000	89.8	89.9 91.2	90.1 91.4	90.1 91.4	90.2 91.5	90.2 91.5			90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5
≥ 10000 ≥ 9000	93.5 93.9	93.6 94.1	93.8 94.2	93.8 94.2	93.9 94.3	93.9 94.3	93.9		93.9 94.3	93.9	93.9 94.3	93.9	93.9 94.3	93.9	93.9 94.3	93.9
≥ 8000 ≥ 7000	94.3 95.0	94.5 95.2	94.6 95.3	94 • 6 95 • 3	94.8 95.5	95.5	95.5	95.5	95.5	95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5	94.8 95.5
≥ 6000 ≥ 5000	95.8 97.7	95.9 98.3	96.2 98.7	96 • 3 98 • 9	96.5 99.0	99.3	96.7	99.3	96.7 99.3	96.7	96.7 99.3	96.7	96.7 99.3	96.7	96.7	96.7
≥ 4500 ≥ 4000 ≥ 3500	98.2 98.4	98.7	99.2	99.3	99.4	160.0	100.0	100.0							99.7 100.0	100.0
≥ 3000	98.4	99.0	99.4	99.6	99.7	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000 ≥ 1800	98.4 98.4	99.0 99.0	99.4	99.6 99.6	99.7	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500 ≥ 1200	98.4	99.0	99.4	99.6	99.7 99.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	98.4	99.0	99.4	99.6	99.7	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800 ≥ 700	98.4	99.0	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.4	99.0	99.4	99.6			100.0					100.0		100.0		100.0
≥ 400 ≥ 300	98.4	99.0		99.6	99.7		100.0	100.0		100.0		100.0 100.0		100.0		100.0
≥ 200	98.4	99.0		99.6	99.7		100.0		****			100.0 100.0		100.0		100.0
≥ 0	98.4	99.q	99.4	99.6	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	106.0

TOTAL NUMBER OF OBSERVATIONS .....



GLOBAL CLIMATOLOGY BRANCH US AFETAC AT- WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

2 1 4 NILLIAMS AFB AZ

70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							vis	IBILITY ST.	ATUTE MIL	ES-		,,,,,,				
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ 14	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	90.2	90.2	1 "-		90.2 91.9		90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9	90.2 91.9
≥ 18000	91.9 91.9	91.9	91.9	91.9	91.9 91.9	91.9 91.9	91.9 91.9	91.9	91.9 91.9	91.9 91.9	91.9	91.9 91.9	91.9 91.9	91.9 91.9	91.9 91.9	91.9 91.9
≥ 14000 ≥ 12000 ≥ 10000	93.9	93.1	7.30.7	93.1	7-7-7	-/-	93.1 93.9	93.1 93.9	93.1 93.9	93.1 93.9	93.9	93.1	93.9	93.1	93.9	93.1 93.9
≥ 9000	96.2 96.8	96.2 96.8	96.8	96 • 2 96 • 8 96 • 8	96.2 96.8	96.8	96.2 96.8 96.8	96.2 96.8 96.8	96.2 96.8 96.8	96.8	96.2 96.8	96.2 96.8	96.2 96.8 96.8	96.2 96.8 96.8	96.2 96.8 96.8	96.2
≥ 7000	9 <b>6.8</b> 9 <b>7.4</b>	96.8 96.8 97.4	96.8 96.8	96.8 97.4	96.8 96.8 97.4	96.8 97.4	96.8 97.4	96.8 97.4	96.8 97.4	96.8 96.8 97.4	96.8 97.4	96.8	96.8 97.4	96.8 97.4	96.8 97.4	96.8 96.8 97.4
≥ 5000 ≥ 4500	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4 100.0	99.4	99.4	99.4	99.4	99.4
≥ 4000	130.0	100.0	100.0	AMMAN	100.0 100.0		100.0		100.0		100.0			100.0 100.0	100.0	100.0
≥ 3000 ≥ 2500 ≥ 2000	100.0		100.0			100.0			100.0			100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	
≥ 1800 ≥ 1500			100.0	100.0	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	100.0	100.0	100.0	100.0	100.0 100.0		100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0 100.0		100.0	100.0 100.0
≥ 900 ≥ 800	100.0	100.0	100.0		100.0		100.0	100.0	100.0	100.0		100.0			100.0	100.0
≥ 700 ≥ 600			100.0		100.0			100.0 100.0			100.0 100.0	100.0			100.0 100.0	
≥ 500 ≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	4444	100.0	100.0
≥ 300 ≥ 200	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	1		100.0					100.0			100.0		100.0 100.0		100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS



GLUBAL CLIMATOLOGY BRANCH UN AFETAC Als WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

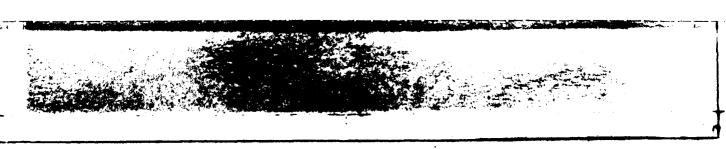
2 .14 RILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERING							VIS	SIBILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ ¼	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	35.1 89.3	85.4 89.6	85.4 89.6	85.4 89.6	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7	85.5 89.7
≥ 18000 ≥ 16000	89.6 89.7	89.8 89.9	89.8	89.9 89.9		89.9 90.0	89.9 90.0	89.9 90.0	89.9 90.0	89.9 90.0		89.9 90.0	89.9 90.0	89.9 90.0	89.9 90.0	89.9 90.0
≥ 14000 ≥ 12000	90.9 92.2	91.1 92.4	91.2 92.4	91.2 92.5		91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2 92.5	91.2
≥ 10000	94.1	94.5	94.5	94.3	94.4	94.4	94.4	94.4	94.4	94.4 94.6	94.4	94.4	94.4	94.4	94.4	94.4
≥ 8000 ≥ 7000 ≥ 6000	95.4 9 <b>5.9</b>	95.6 96.1	95.7	95.7 96.2	95.7 96.2	95.7 96.2	95.7 96.2	95.7 96.2	95.7 96.2	95.7 96.2	95.7	95.7 96.2	95.7 96.2	95.7 96.2	95.7 96.2	95.7
≥ 5000 ≥ 5000 ≥ 4500	96.7 98.4 98.7	97.0 98.7 99.1	97.0 98.8 99.2	97.1 98.9	97.2 98.9 99.3	99.0	99.0	99.0	97.2	97.2	97.2	97.2 99.0	97.2	97.2 99.0 99.3	97.2 99.0	97.2
≥ 4000 ≥ 3500	99.2	99.5	99.6	99.2 99.7 99.7	99.7	99.8 99.8	99.8 99.8	99.8	99.3 99.8	99.3 99.8 99.8	99.3 99.8	99.3 99.8	99.3 99.8 99.8	99.3 99.8	99.3 99.8	99.3 99.8
≥ 3000	99.4 99.4	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 2000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 1500	99.4	99.7	99.8	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.5
≥ 1000	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 800	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0	100.0	
≥ 600	99.4	99.7	99.8 99.8		100.0	100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 400	99.4	99.7 99.7	99.8		100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0		100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	
≥ 100	99.4	99.7	99.8	99.9	100.0	100.0		100.0		100.0	100.0		100.0	100.0	100.0	
≥ 0	99.4	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_4706



GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

### CEILING VERSUS VISIBILITY

2 1 4 \_\_ AILLIAMS AFB AZ

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING	ļ						VIS	ABILITY ST	ATUTE MIL	ES.						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ 1⁄4	≥0
NO CEILING ≥ 20000	89.2	89.2	89.2		89.2	89.2			89.2	89.2	89.2 92.5	89.2		89.2 92.5	89.2 92.5	89.2 92.5
≥ 18000 ≥ 16000	92.9 92.9	92.9	1	92.9 92.9	92.9 92.9	92.9 92.9					92.9 92.9	92.9 92.9		92.9 92.9	92.9 92.9	92.9 92.9
≥ 14000 ≥ 12000	94.2 97.1	94.2	94.2	94.2 97.1	94.2	94.2	94.2 97.1	94.2 97.1	94.2 97.1	94.2 97.1	94 • 2 97 • 1	94.2 97.1	94.2 97.1	94.2 97.1	94.2 97.1	94.2 97.1
≥ 10000 ≥ 9000	99.2	99.2	99.2	99.2	99.2	99.2 99.2	99.2	99.2	99.2	99.2 99.2	99.2 99.2	99.2 99.2		99.2 99.2	99.2 99.2	99.2 99.2
≥ 8000 ≥ 7000	99.2	99.2 99.2	99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2		99.2 99.2	99.2 9 <b>9.</b> 2	99•2 99•2
≥ 6000 ≥ 5000	99.6 1.0.0	99.6	1	99.6 100.0	99.6 100.0										99.6 100.0	99.0 100.0
≥ 4500 ≥ 4000	1:0.0 1:0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.0	100.0	100.0	100.0		100.0	100.0	100.0
≥ 3500 ≥ 3000	190.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0 100.0	100.0
≥ 2500 ≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0 190.0
≥ 1800 ≥ 1500	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0 190.6
≥ 1200 ≥ 1000 ≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	188.8	100.0 100.0
≥ 800	100.0	100.0	100.0	100.0 100.0	100.0		100.0	100.0	[ i]	100.0	100-0	100.0	100.0	100.0	100.0 100.0	100.0
≥ 700 ≥ 600 ≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	160.0 160.0
≥ 400 ≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	136.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0						100.0			100.0			100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF

SUPAL CLIMATOLOGY BRANCH ACETAC AT WEATHER SERVICE/MAC

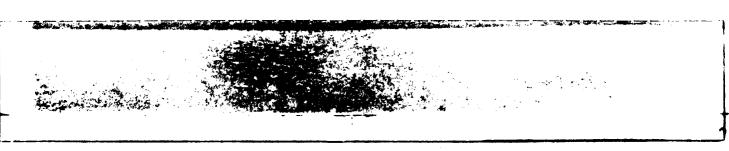
### CEILING VERSUS VISIBILITY

2 1 4 WILLIAMS AFB AZ

70,73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			,				VIS	BILITY ST	ATUTE MIL	.ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	ولايا≤	≥11/4	≥1	≥ ⅓	≥ %	≥ ⅓:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	è7.7	87.7 92.3	87.7 92.3	87 • 7 92 • 3	87.7 92.3	87.7 92.3	87.7 92.3	87.7 92.3	87.7 92.3	87.7 92.3	87.7 92.3	87 <b>.7</b> 92.3	87.7 92.3	87.7 92.3	87.7 92.3	87. 92.
≥ 18000 ≥ 16000	92.7 92.7	92.7	92.7	92.7 92.7	92.7 92.7		92.7 92.7	92.7 92.7	92.7 92.7	92.7 92.7		92.7 92.7	92.7	92.7 92.7	92.7 92.7	92. 92.
≥ 14000 ≥ :2000	94 • 1 95 • 5	94.1 95.5	94.1 95.5	94 • 1 95 • 5	94 • 1 95 • 5	94 • 1 95 • 5	94.1 95.5	94 • 1 95 • 5	94 • 1 95 • 5	94.1 95.5	94 • 1 95 • 5	94.1 95.5	94.1 95.5	94.1 95.5	94.1 95.5	94. 95.
≥ 10000 ≥ 9000	97.6 97.1	97.8		' '	'''				97.8 98.0	97.8 98.0					97.8 98.0	97. 98.
≥ 8000 ≥ 7000	97.8 98.2	98.1 98.5	1	1	98.1 98.5		98.1 98.5	98.1 98.5	98 • 1 98 • 5	98.1 98.5	98.1 98.5	98.1 98.5	98. 98.			
≥ 6000 ≥ 5000	9 <b>9.4</b> 9 <b>9.</b> 7		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	120.0	100.0	
≥ 4500 ≥ 4000	99.7 9 <b>9.</b> 7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0	يملاكا
≥ 3500 ≥ 3000	99.7 99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	ion.c	100.0	100.0	100.0	100.0	103.
≥ 2500 ≥ 2000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0	100.0	100.0	عمومر	100.
≥ 1800 ≥ 1500	9 <b>9.</b> 7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5	بمفقيا
≥ 1200 ≥ 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.1
≥ 900 ≥ 800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 700 ≥ 600		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 500 ≥ 400		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6	130.0	120.
≥ 300 ≥ 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 100 ≥ 0			100.0													



EL MAL CLIMATOLOGY BRANCH AT FEATHER SERVICE/MAC

### CEILING VERSUS '

Z . 4 AILLIAMS AFB AZ

70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

reicing					•		VIS	B:L*Y 57	ATUTE MIL	ES				
(FEE*)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ ፥ ⅓	≥11/4	≥ 1	≥ %	≥ %	≥ ٧.	≥ 5
N∩ CEILING ≥ 20000	89.2	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89
≥ 20000	94.3	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94
≥ 18000	υ <b>4</b> .8	95.0	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95
≥ :6000	94.8	95.	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95.1	95
≥ 14000	95.4	95.6	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95
≥ ,5000	96.9	97.1	97.2	97.2	97.2			97.2	97.2	97.2				97
≥ 10000	97.8	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98
≥ 9000	97.8	98.0	93.1	98.1	98.1		1		98.1		98.1	98.1	98.1	
≥ 8000	98.3	98.6	98.7	98.7	98.7			98.7	98.7		98.7	98.7	98.7	9.8
≥ 7000	98.5													-
≥ 6000	99.4	99.7										99.8	99.8	_
≥ 5000	99.6	99.8	1			99.9			99.9			99.9		
≥ 4500	99.6					99.9								
≥ 4000	99.7		100.0											
≥ 3500	99.7		130.0											
≥ 3000	99.7		10).0											
≥ 2500	99.7		100.0											
≥ 2 <b>00</b> 0	99.7		100.0											
≥ +800	99.7		100.0				-							
≥ 1500	99.7		100.0											
≥ 1200	99.7		100.0											
≥ ,000	99.7		100.0											
≥ 900	99.7													
≥ 800	99.7		100.0											
≥ 700														
≥ 600	99.7	77.7	100.0	100.0	1100.0	100.0	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
> 500			100.0											
≥ 500 ≥ 400	99.7		100.9											
	99.7	99.9	100-0	100-0	100.0	100-3	100-0	100.0	100.0	100.0	100.0	100-0	100.0	700
≥ 300 ≥ 200	99.1		100.0											
	99.1		100.0											
≥ 100 ≥ 0	99.7		100.0											
	99.7	99.9	100.1	100.0	1100.0	100.0	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	130

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE



CLIPAL CLIMATOLOGY BRANCH CAFETAC ACC REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 . 4 "ILLIAMS AFB AZ

70,73-61

MAY

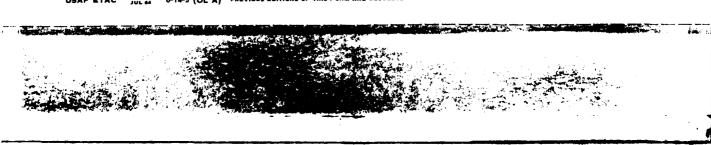
# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12:0-1400

CEIL N/O		<del></del>					VIS	ABILITY ST.	ATUTE MIL	<b>E</b> S						
(FEE's	≥ .0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥ ι%	≥1%	≥1	≥ ¾	≥ %	<b>≥</b> ¥:	≥ 5/16	≥ %	<b>≥</b> ڌ
NO CELINO	ø7 <b>.</b>	87.1	87.3	87.3	87.4	27.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4	87.4
≥ 20000	52.9	93.1	93.3	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ 18000	94.7	94.2	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 8000	94.3	94.4	94.6	94.6	94.7	94.7	24.7	94.7	94.7	94.7	94.7	94.7	94.7	99.7	94.7	94.7
≥ '4000	94.7	95.	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 2000	<b>∂6.1</b>	96.3	96.5	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	46.6
≥ .000c	∍6.3	96.4	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
> 9000	46.4	96.5	96.7	96.7	96.8	96.8		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.6
≥ 8000	96.6	96.7	96.9	96.9		97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.3	97.
≥ 7906	57.1	97.1	97.4	97.4	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.5	97.4
≥ 6000	·8 • 3	98.5	98.7	98.7				98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	96.8
.: 5900	99.7	99.3	99.6			99.7		99.7				99.7	99.7	99.7	99.7	99.7
≥ 450C	99.6	99.7	99.9								100.0	100.0	160.0	100.0	100.7	100.0
± 4000	79.6	99.7	99.9	-							100.0	- 1		1		
≥ 3500	49.6	99.7									100.0					
2 3006	39.6	99.7	99.9			1					100.0			F		
- 2500	99.6	99.7	99.9								100.0					
2000	99.6	99.7	99.9							-	100.0		_	r		
≥ 800	99	99.7	99								100.0					
≥ 1500	99.6	99.7	99.9								100.0					
≥ 1200	77.6		99.9								100.0	_				
≥ 000			99.9	,		,					100.0			г		
≥ 90C	99.6	99.7									100.0					
≥ 800		99.7	99.9					1			100.0					
	99.6		99.9								100.0		$\overline{}$			
≥ 700 ≥ 600	99.6	99.7	,,,,,	1												
	99.6										100.0					
≥ 500 ≥ 400	99.6	99.7	99.9			1	,	1			100.0					[
	99.6										100.0					
≥ 300 ≥ 200	99.6		99.9								100.0			_	•	
= 200	99.6										100.0					
≥ 100	99.6		99.9			1	1				100.0					
≥ 0	99.6	99.7	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	700.0	<u> 100.0</u>	0.00.0	00.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_907

LIGHT STACE FORM OLIVE (OLIVE) PROVIDE STATE FORM AND CREOLET



GLIBAL CLIMATOLOGY BRANCH UNAFETAC Als WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 1'4 -ILLIAMS AFB AZ

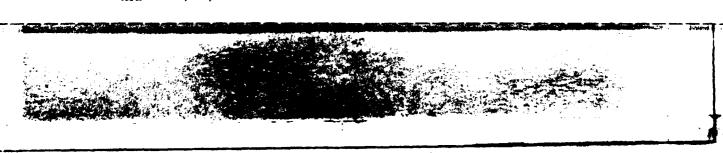
70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CELING							viS	ABILITY ST	ATUTE MIL	£5						
(FEE')	5.0	≥ 6	≥ 5	≥4	3 ج	≥2%	≥ ?	₹	≥1%	≥1	≥ ¾	≥ %	≥ 4:	≥ 5/16	≥ %	≥¢
NO CEUNO ≥ 20000	54.4 21.4	84.5	84.5	84.5	84.9	94.9	84.9	84.9	84.9	84.9	64.9	84.9	84.9	84.9	84.9	94.9
≥ 18000 ≥ 5000	¥2.4	92.6	92.6	92.6	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	93.0	93.7	¢3.€
≥ '4000 ≥ 2000	93.5	93.2	93.2	93.6	94.0	94.0	94.0	93.5	94.0	94.0	93.5 94.0	,,,,,	93.5	93.6	93.6 94.1	93.6
2 900%	95.3	95.4	95.4	95.4	95.8	95.1 95.8	95.8	95.8 95.8	95.8 95.8	95.8	95.1 95.8	95.1 95.8	95.8	95.2 95.9	95.9	95.9
≥ BOXIC	95.4	95.7 96.0	95.7	95.1 96.0	96.4	96.4	96.4	96.4	96.4	96.4	96.0 96.4	96.4	96.4	96.5	96.5	96.E
2 1000 2 8000	76 • A	96.4	95.4	96.3	96.6	98.8	96.6	96.6	98.8	96.6	98.8	96.8	96.6	94.A	96.9	96.6 98.9
- 500c	.9	99.5	99.3	99.5	99.6	99.4	99.6	99.6	99.6	99.6	99.6	99.4	99.6	99.A	99.8	99.8
1500	.9 .9	99.5	99.5	99.5		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	ם ממנ	100.0	100.0
1000	79.	99.5	99.5	99.5	99.9	99.9	99.9	99.9	22.2	99.9	99.9	99.9	99.9	100.0	100.0	משנת
- 2500 - 2000	9.1	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	1000 1200	100.0	100.0
# 800 # 1500	79.3	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0 100.0	130.3	
≥ 000	19.1 79.1	99.9 99.9	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0		
≥ 900 ≥ 800	99.3	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0		
≥ 700 ≥ 600	99.3	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0		
≥ 500 ≥ 400	9 <b>9.</b>	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0		100.0
≥ 300 ≥ 200	99.3	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	130.0
> 100 > 0	99.3	99.5	99.5	99.5		99.9	99.9	99.9	99.9		99.9		99.9	100.0		100.0
ــــــــــــــــــــــــــــــــــــــ	99.1	99.5	99.5	99.5	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

USAF ETAC JUL 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS



GL PAL CLIMATOLOGY BRANCH ATT SEATHER SERVICESMAC

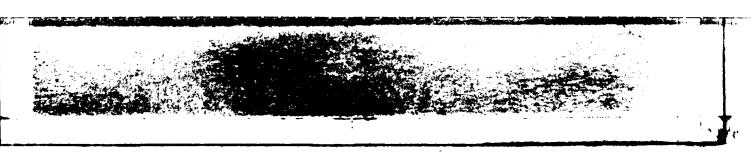
# CEILING VERSUS VISIBILITY

2 . 4 \_\_ AILLIAMS AFB AZ

70,73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

"Filings							VIS	BILITY ST	ATUTE MIL	ES						
r#EE's	≥ 0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ ¥:	≥ 5/16	≥ %	≥0
N = 1 €((N/) ≥ 20000	79.9 8	1	87.	80.2	80.2	89.0	80 • 2	80.2	80 . 2 89 . 0	80.2 89.0	80.2	80.2		80.2	80.2	83.2
≥ 18000 ≥ 6000	89. 8	9.1	89.1	89.2	89.2 90.1	89.2	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1	89.2 90.1
2 4000 2 2000	1	13.9	90.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1 93.0	91.1	91.1 93.0	91.1 93.0	91.1 93.0	91.1
\$ 5000 \$ 0000	- 1	4 . 6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
2 0000 2 7000	95.1 9	5.7	95.3 95.7	95.4	95.4 95.8	95.4 95.8	95.4 95.8	95.4 95.8	95.4 95.8	95.4 95.8	95.4 95.8	95.4 95.8	95.4 95.8	95.4	95.4 95.8	95.4 95.8
* 6000 * 5000	- 1	8.3	98.3	98 • 5 99 • 9	98.5	98.5		98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
* 4500 * 4000	- 1	9.9					100.0					-			100.0	
: 150c - Hur.	- 1	9.9			100.0		100.0								100.0 100.0	
2500 2004	- 1	9.9			10°•0		100.0						100.0			
; BOC * SHIL	- 1	9.9			100.0		100.0						100.0			
200 5 000	- 1	9.9	99.9	100.0	100.0 100.0		100.0			T		7	100.0			100.C
₹ 900 2 800		9.9	99.9		100.0 100.0		100.0									
± 700 ≥ 600		9.9		190.0 100.0	100.0		100.0 100.0		1							
≥ 500 ≥ 400	99.7 9	9.9		100.0		100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		
≥ 300 ≥ 200	99.7 9	9.9	99,9		100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 100 ≥ 0		9.9					100.0 100.0						160.0 100.0			



GLUBAL CLIMATOLOGY BRANCH LSAFETAC AT I WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

2 1.4 wILLIAMS AFB AZ

70,73-81

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				•			VIS	SIBILITY ST	ATUTE MIL	.ES		_				
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥ 2 %	≥ 2	≥+%	≥1%	≥1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	96.1 92.5	86.0 92.5	86.0 92.5	86 • 0 92 • 5	86.0 92.5	86.0 92.5	86.0 92.5	86.0 92.5	86.0 92.5	86.0	86.0 92.5	86.0 92.5	86.0 92.5	86.0 92.5	86.9 92.5	86.0 92.5
≥ 18000 ≥ 6006	92.5	92.5 93.3	92.5	92.5	92.5	92.5	92.5 93.3	92.5 93.3	92.5	92.5 93.3	92.5	92.5	92.5	92.5	92.5 93.3	92.5
≥ 14000 ≥ 2000	94.5	94.6	94.5	94.5	94.3	94.3	94.3	94.3	94.5	94.3	94.3	94.3	94.3	94.3	94.5	94.3
2000° ≤	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 8000 ≥ 7000	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.Z	97.2	97.2	97.2	97.2	97.2	97.2	97.2	
2 6000 2 5000	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	
≥ 4500 ± 4000	99.7	_	100.0	1	100.0		100.0				100.0				100.0	
≥ 1500 ≥ 3000	99.1	100.0	, ,	1	100.0		100.0				100.0	100.0		100.0		100.0
≥ 2′ ≥ 2000	99.1		100.0	100.0				100.0			100.0			100.3		100.0
≥ 1800 ≥ 1500	99.1	100.0		100.0	100.0	100.0		100.0	180.0	100.0	100.0		100.0	100.0	100.0	100.0
≥ 1200 ≥ 1000	99.1	100.0	100.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0			100.0	100.0
≥ 900 ≥ 800	99.1	100.0		100.0	1	100.0	1	100.0					100.0		100.0	100.0
≥ 700 ≥ 600	99.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	
≥ 500 ≥ 400	99.1	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0			100.0	100.0	
≥ 300 ≥ 200	99.1		100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0	100.0	100.0	100.0
≥ 100 ≥ 0	99.7		100.0	100.0	100.0	100.0		100.0	100.0				100.0		100.0	

TOTAL NUMBER OF OBSERVATIONS



CLUPAL CLIMATOLOGY BRANCH AFETAC ALS WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

NILLIAMS AFB AZ

70,7.-81

MAY

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

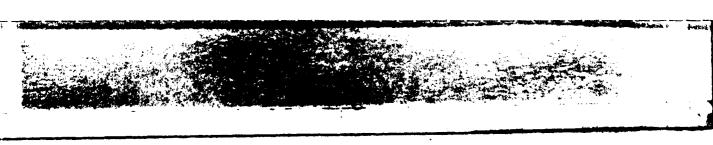
ALL

CEIL NO							viS	SIBILITY ST	ATUTE MIL	.ES						
(FEET)	≥ :0	≥6	≥ 5	≥ 4	≥3	≥2%	≥?	≥+%	≥11/4	ا≤	≥ ¼	≥%	≥ %	≥ 5/16	≥ ¼	≥ċ
NO CEIUNG : ≥ 20000	35.1 92.7	86.2	86.2	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 18000 ≥ 16000	→2•8	92.9	92.9	92.9	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.0	93.7	93.1
≥ '4000 ≥ '2006	93.9	94.0	94.1	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.5
\$ 9000 \$ 9000	96.5	96.6	96.7	96.7	96.8	96.8		96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.5
≥ 8000 ≥ 7000	+7.5 +7.3	97.1	97.2	97.2		97.3			97.3 97.6	97.3 97.6	97.3 97.6	97.3	97.3	97.3	97.7 97.7	97. 7
≥ 600¢ ≥ 500¢	18.3 29.5	99.0	99.1	99.1	99.Z	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
* 450U * 400E	9.6	99.8	99.9								100.0				100.0	
± 1500 → 1006	99.6 99.6	99.8	99.9		107. <b>0</b>						100.0			00.	00.7	
2500 2000	9.6	79.8	99.9	99.9	179.9 189.0						100.0					
2 1800 2 1500	49.6	99.8	99.9		103.0						100.0					
2 1200 ≥ 000	99.6	99.8	99.9	99.9	100.0			100.0			100.0		100.0			
2 900 2 800	99.6	99.8	99.9	99.9	100.0	100.0					100.0					100.3
≥ 700 ≥ 600	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.
≥ 500 ≥ 400	99.6	99.8		99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 300 ≥ 200	99.6	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 100 ≥ 0	99.6	99.8	99.9	1	100.0						100.0 100.0					100.0

TOTAL NUMBER OF OBSERVATIONS

4775

USAF ETAC JUL 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH LSAFETAC Als weather service/mac

USE WITH CAUTION SEE FIRST PAGE

# **CEILING VERSUS VISIBILITY**

2 104

"ILLIAMS AFB AZ

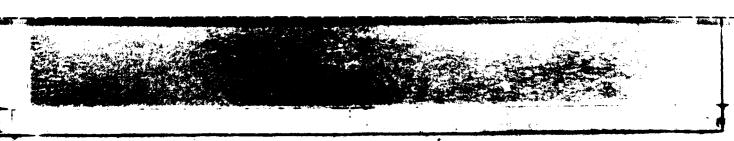
69-70,73-80

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING			-				V15	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥:%	≥1%	≥1	2 %	2 %	≥ ₩:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	91.2	91.2	1	91.2	91.2	91.2	91.2 92.9	91.2	91.2 92.9	91.2	91.2	91.2	91.2	91.2	91.2	91.2
≥ 18000 ≥ 16000	93.1	93.3	93.3	93.1	93.1	93.3 93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 14000 ≥ 2000	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2 99.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 9000 ≥ 9000	100.0	100.0	100.0	,	100.0				100.0 100.0			100.0			100.0	
≥ 8000 ≥ 7000	100.0	100.0	100.0		100.0	100.0	, , , , ,	100.0	100.0	100.0	בינוו	100°0 100°0		100.0	100.0	
₹ 6000 ₹ 5000	I THE S	100.0	100.0		100.0	100.0		100.0	100.0			100.0	100.0	100.0		100.0
2 4000	100.0	100.0	100.0		100.0		100.0		100.0	100.0	17.7.7.71	100.0			100.0	בבחתו
2 1500 2 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.	100.0	100-0		100.0	100.0		100.6
2 7500 2 7900	130.0	100.0	100.0	100-0	100-0	100-0	100.0	بتعصيم	100-0	100.0		100.0	100.0		100-0	100.0
2 1500	100-0	100-0	100.0	100.0	100-0	100.0	100.0	100-0		100.0	100.0	100.0	100.0	100.0	100.0	200.0
2 1200 2 000 2 900	100.0	100-0		100.0	100-0	100-0	100-0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	120.0
≥ 900 ≥ 800 ≥ 700	*****	100-0		100.0	100.0	100.0	100.0	100.0	100.0	100.0		100 • 0	100.0 100.0	100.0	100.0	100-6
≥ 600 ≥ 500	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0		100.0	100.0 100.0	100.0		100.0 100.0	ם מפנו
≥ 400	100.0	100-0	100.0	100.0	100-0	100.0	100.0	100.0		100.0	100.0	100-0	100.0		100.0	100.0
≥ 100		100.0		100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0		100.0	100.0
≥ 0	100.0	100.0	100.0		100.0	100.0			100.0						100.0	

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS ENTINES OF THIS PORM ARE DESOLET



CLIBAL CLIMATOLOGY BRANCH FLAFETAC ALE \*EATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 . 4

WILLIAMS AFB AZ

69-70,73-80

JUN

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-0800

CEILING		-					viš	HBILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¥	≥ %	≥ %	≥ 5/16	≥ ¼	≥c
NO (EIUNG ≥ 20000	92.4 95.3	92.5 95.5	92.5 <b>95.</b> 5	92 • <b>5</b>	92.5	92.5 95.5	92.5	92.5 95.5	92.5 95.5	92.5	92.5 95.5	92.5 95.5	92.5 95.5	92.5 95.5	92.5 95.5	92.5 95.5
≥ 18000 ≥ 6000	95.9	96.U	96.0	96.0 96.0	96.0 96.0	96.0 96.0	96.0	96.0	96.0	96.0 96.0	96.0 96.0	96.0	96.0 96.0	96.0 96.0	96.0 96.0	96.0
≥ 14000 ≥ 12000	97.9 9 <b>9.</b> 4	98.1	98.1	98.1 99.5	98.1	98.1	98.1 99.5	98.1 99.5	98.1 99.5	98.1 99.5	98 • 1 99 • 5	98.1 99.5	98.1 99.5	98.1 99.5	98.1 99.5	98 • 1 99 • 5
≥ 9000 ≥ 10000	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 8000 ≥ 7000	99.6 99.6	99.7 99.7	99.7	99.7	99.7	99.7	99.7 99.7	99.7	99.7	99.7	99.7	99.7 99.7	99.7	99.7	99.7 99.7	99.7
2 6000 2 5000	99.9 9 <b>9.</b> 9	1.0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		00.0	00.0
2 4500 2 4000 2 3500	79.9 79.9	100.0	100.0	100.0	103.0	100.0	130.0	100.0	100.0	100.0		100.0	0.00	100.0		00.0
÷ 3000	99.9 99.9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	0.00		100.0	100.0	100.0	100.0	נייםם
2 2000 2 2000 2 1800	99.9 99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	176.0	100.0	100.0	100.0	100.0	00.0		בספנו	ב-ממו
2 1500 2 1200	99.9	100.0	100.0	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	00.0	00.0	0.00	0.00
≥ -000 ≥ 900	9 . g	100-0		100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	00.0		100.0	00.0
≥ 800 ≥ 700	99.9	100.0	17.7.7.7	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	00
≥ 500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	NAME OF STREET		100.0	جسم	100.0	100.0	100.0	100.0	0.00
≥ 400 ≥ 300	9 <b>9.</b> 9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.0	100.0	100.0		0.00
≥ 100	99.9	100.0	100.0	100.0	100.0	100.0 100.0		100.0 100.0		100.0 100.0	100.0	100.0 100.0	100.0 100.0	100.0		100.0
≥ 0	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLEBAL CLIMATOLOGY BRANCH 11 OF ETAC Al- MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 .04

WILLIAMS AFB AZ

69-70,73-80

JUN

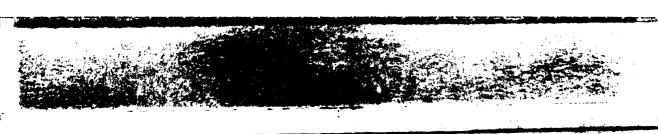
# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3905-1100 HOURS (LELT.)

CEILING							VIS	iBILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	97.6	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2	94.2 97.6	94 • 2 97 • 6
≥ 18000 ≥ 16000	97.6 97.9	97.6	1 : :	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 14000 ≥ 12000	99.0	99.0	99.0		99.0	99.0		99.0	99.0	99.0	99.0	99.0	99.0		99.1	99.0
2 9000° ≤	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
≥ 8000 ≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	166.5
≥ 6000 ≥ 5000	1:0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	106.0
≥ 4500 ± 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.7	100.01	00.0	100.0	100.0	100.0	130.0	170.0
± 3500 ≥ 3000	1 0.3	100.0	100.0	100.0	100.0	190.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
± 2500 ± 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	160.0	100.0
≥ 1800 ≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0		100.0
2 1206	100.0	100.0	100.0	100.0	100.0	100.0	100.0	170.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
± 900 ≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.C
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
> 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.01	00.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_899

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLET



GLOPAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 ./14

WILLIAMS AFB AZ

69-70,73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LE.T.)

CEILING				_			V+S	IBILITY ST	ATUTE MIL	ES			_	_		
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ ¼	≥ c
NO CEILING ≥ 20000	95.1 97.0	95.1 97.0	1	1				95.1 97.0	95.1 97.0	95.1 97.0	95.1 97.0	95.1 97.0	95.1 97.0	95.1 97.0	95.1 97.0	95.1 97.1
≥ 18000 ≥ 16000	97.1 97.6	97.1 97.6		1 :: -			1	97.1 97.6	1	::- <b>-</b>	97.1 97.6	97.1 97.6	97.1 97.6	97.1 97.6		97.1 97.6
≥ 14000 ≥ 12000	98.2 98.9	98.2 98.9	1	1			1					98.2 98.9				
≥ 10000 ≥ 9000	99.8	99.8	] [["								1				99.8 99.8	99.5
≥ 8000 ≥ 7000	99.8	99.8	1	1		94.8	99.8 99.8	99.8			1					99.5 99.8
≥ 6000 ≥ 5000			7								100.0 100.0					_
≥ 4500 ± 4000	1		1	1		1	1				100.0 100.0				_	
≥ 3500 ≥ 3000			1								100.0					
≥ 2500 ≥ 2000	1 - 1										100.0 100.0					
≥ 1800 ≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.9	100.0	100.5
≥ 1200 ≥ 1000	150.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	<u> ۱۵۰</u>	100.0	100.0	100.0	100.0	100.0	100.0	100.5
≥ 900 ≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3
≥ 700 ≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	រច្ចប្
≥ 500 ≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	1.0.1	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0			1								100.0					

TOTAL NUMBER OF OBSERVATIONS

VIOUS EDITIONS OF THIS FORM ARE OSSOLETR



CLUBAL CLIMATOLOGY BRANCH L'AFETAC ATHIRR SERVICE/MAC

# CEILING VERSUS VISIBILITY

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HILLIAMS AFB AZ

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# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING			-		-		٧١\$	BILITY ST	ATUTE MIL	ES		-		· · · · · · · ·		
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ <del>√.</del>	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	93.1 96.6	93.1	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6	93.1 96.6
≥ 18000 ≥ 18000	97.1 97.3	97.1	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3	97.1 97.3
≥ 14000 ≥ 12000	97.6 98.7	97.6 98.7	97.7 98.8	97 <b>.7</b> 98 <b>.8</b>	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8	97.7 98.8
≥ 10000 ≥ 9000	9 <b>9.</b> 2	99.2	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	9 <b>9.3</b> 9 <b>9.</b> 3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 99.3	99.3 9 <b>9.</b> 3
≥ 8000 ≥ 7000	99.3 99.3	99.3	99.4	99.4	99.4 99.4	99.4 99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4 99.4
≥ 6000 ≥ 5000	99.5 99.6	99.5 99.6	99.8	99.6 99.8	99.8 99.9	99.8	99.8	99.8	99.8	99.8		99.8		99.9 100.0		444
≥ 4500 ≥ 4000	99.6	99.6	99.8	99.8	99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9	99.9	99.9 99.9	99.9	100.0	100.0	100.0 100.0	100.0
≥ 3500 ≥ 3000	79.6	99.6	99.8 99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0		170.C
2 2500 2 2000	39.6 99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	7 7 7 7
≥ 1800 ≥ 1500	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	130.0	100.0
≥ 1200 ≥ 000	99.6 99.6	99.6	99.8 99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0 100.0	100.0
≥ 800 ≥ 700	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.5
≥ 600	99.6	99.6	99.8	99.8	99.9	99.9		99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.C
≥ 400	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	160.0	100.0	100.0	100.0
≥ 200 ≥ 100	99.6	99.6	99.8	99.8	99.9	• .		99.9		99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	99.6	99.6	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.C

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_829

----- FORM A....



GL CBAL CLIMATOLOGY BRANCH USAFETAC All WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 1 4 WILLIAMS AFB AZ

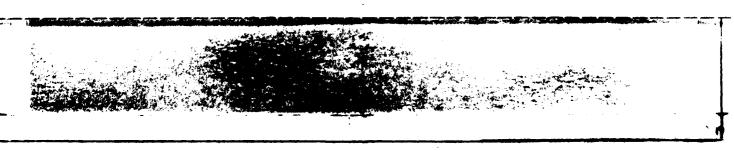
69-70,73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1900-2000 Hours (L.s.T.)

CEILING							vis	BILITY ST	ATUTE MIL	ξS						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ 1/:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	90.4 94.0	93.8 94.4	90.8 94.4		90.8 94.4	90.8	90.8 94.4	90.8 94.4	90.8 94.4		90.8 94.4	90.8 94.4	90.8 94.4	90 • 8 94 • 4	90.8 94.4	90.8 94.4
≥ 18000 ≥ 16000	94.1 94.1	94.6 94.7	94.6	94.6 94.7	94.6 94.7	94.6	94.6	94.6 94.7	94.6 94.7		94.6 94.7	94.6	94.6 94.7	94.6 94.7	94.6 94.7	94.6
≥ 14000 ≥ 12000	94.6 95.8	95.0	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3	95.0 96.3
≥ 10000	96.4 96.4	96.8 96.8	96.8 96.8		96.8 96.8	96.8 96.8	96.8	96.8	96.8 96.8	96.8	96.8	96.8 96.8	96.8	96.8	96.8 96.8	
≥ 8000 ≥ 7000	96.1	97.7	97.1		97.1 97.9	97.1 97.9			97.1 98.0	97.1 98.0	7784	7000		98.0		
≥ 6000 ≥ 5000	97.9	98.7	99.4	99.4	99.1	99.6		99.3	99.3 99.7	99.3	99.3	99.3		99.4 100.0		100.0
≥ 4500 ± 4000 ≥ 3500	98.3 98.3	99.1 99.1	99.4	99.4	99.6 99.6	99.6 99.6	99.7	99.7 99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7			100.0	100.0
≥ 3000 ≥ 3000	98.3	99.1	99.4	· · · · · ·	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9		100.0	
≥ 1800	98 · 3	99.1	99.4		99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9		100.0	100.
≥ 1500	98.3	99.1	99.4		99.6	99.6	99.7		99.7	99.7	99.7	99.7	99.9	100.0	100.3	100.0
≥ 000	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7		100.0		
≥ 800 ≥ 700	98.3	99.1	99.4	99.4	99.6	99.6		99.7	99.7	99.7	99.7	99.7	99.9	100.0		
≥ 500	98.3 78.3	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0 100.0	100.0	100.0
≥ 400 ≥ 300	98.3 98.3	99.1	99.4	99.4	99.6	99.6		99.7	99.7	99.7	99.7	99.7		100.0	100.0	
≥ 100 ≥ 0	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0
	98.3	99.1	99.4	99.4	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.3

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



CEUBAL CLIMATOLOGY BRANCH L MESTAC

ALA LEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

CEILING VERSUS VISIBILITY

2 104 AILLIAMS AFB AZ

69-70,73-80

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIUNG							VIS	SIBILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	<b>≱</b> ¥:	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	90. 94.		0 91.0 8 94.6		91.0					91.0 94.8		91.0 94.8	1	91.3 94.8		91.
≥ 18000 ≥ 16000	94. 94.	-	7		94.8	94.8				1						
≥ 14000 ≥ 12000	95. 98.	7	5 95.5 5 98.5	7	1		95.5 98.5	95.5 98.5		95.5 98.5		95.5 98.5		_		
≥ 10000 ≥ 9000	98. 98.	-	99.0	1	99.0			- 1	99.0 99.0		99.0 99.0			99.0 99.J	_	
≥ 8000 ≥ 7000	98. 9 <b>9.</b>	99.	0 99.5 5 99.5	99.5		99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5		99.5	99
≥ 6000 ≥ 5000		5123.	8 99.8	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5	100.0	<u>100</u> .
≥ 4500 ≥ 4000	99.	<u> </u>	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.0	1 0 G
≥ 3500 ≥ 3000	99.	100.	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.0	100
2 7500 2 2000	99.	9100.	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	<u>100.0</u>	1-0
≥ 1800 ≥ 1500	99.	1100.	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	120
≥ 1200	99.	<u> </u>	0100.0	1.00.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.0	120
2 900 ≥ 800	99.	<u> </u>	0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 700 ≥ 600	99.	\$100.	1100.0	120.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 500 ≥ 400	99.	<u> 100.</u>	0100.0 0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100
≥ 700 ≥ 200	99.	\$100.	0100.0 0100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	103.0	100.0	100.0	100.0	<u>100</u>
≥ 100 ≥ 0		1	0100.0													

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF



USAFETAC ATE MEATHER SERVICE/MAC

CEILING VERSUS VISIB

2 1 4 AILLIAMS AFB AZ

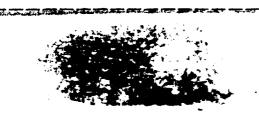
69-7C,73-8F

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

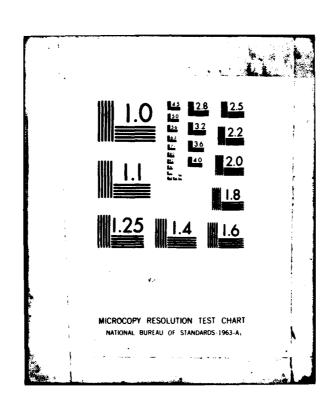
CEIGING							vis	iB:EITY STA	ATUTE MILI	ES					
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	2±%	≥1%	≥1	2 %	≥ %	**	≥ \$/16	≥ ′₄
NO CEIUNG ≥ 20000	92.9 95.9	93.0	93.0 96.0	93.0 96.0	93.0 96.0	93.0 96.0	93.0 96.0	93.0 96.0		93.0 96.0	95.0 96.0	93.0 96.0			93. 96.
≥ 18000 ≥ 16000	96 • 1 96 • 3	96.2	96.2 96.5		96.2 96.5	96.2 96.5	96•2 96•5			96.2 96.5	96 • 2 96 • 5				950
≥ '4000 ≥ '2000	>7.3 98.5	97.4		97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.
> ±9000 ≥ 9000	99.1	99.2		99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2		99.2	99.2	99.
≥ 8000 ≥ 7000	99.3	99.3	99.3 99.5	99.3	99.3 99.5	99.3	99.3 99.5				99.3				
≥ 6000 ≥ 5000	79.5	99.7	99.8 99.9	99.8 99.9		99.8					99.8			99.9 100.0	
≥ 4500 ± 4000	99.6 99.6	99.8		99.9 99.9		99.9 99.9	99.9 99.9				99.9 99.9			130.0 190.9	1
≥ 3500 ≥ 3000	99.6 99.6	99.8		- 1		99 <b>.9</b>	99.9 99.9				99.9			100.0 10 <b>0.</b> 0	
≥ 2500 ≥ 2000	99.6	99.8				99 <b>.9</b>	99.9 99.9							100.0 100.0	
± 800 ± +500	99.6	99.8				99.9 99.9	99.9 99.9						_	100.0 100.0	
≥ 1200 ≥ 1000	9 <b>9∙6</b> 9 <b>9∙</b> 6	99.8	99.9	99.9	- 1	99.9 99.9	99.9 99.9	99.9	99.9		99.9			100.0 10 <b>0.</b> 0	
.≥ 900 .≥ 800	9 <b>9.</b> 6	99.8 99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.
≥ 700 ≥ 600	9 <b>9.</b> 6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99,9	99.9	99.9	99.9	100.0	100.0 100.0	100.
≥ 500 ≥ 400	79.6 99.6	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.
≥ 300	99.6	99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	100.0	100.0 100.0	1 0.
≥ 100 ≥ 0	99.6 99.6	99.8			* 1	99.9	99.9		-		1			100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS \_

USAF ETAC JUL 84 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2 WILLIAMS AFB, ARIZONA REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U) OCT 81 USAFETAC/DS-81/096 SBI-AD-E850 129 NL AD-A110 246 UNCLASSIFIED 3 or 5



GLOBAL CLIMATOLOGY BRANCH OF AFETAC AI REATHER SERVICE/MAC USE WITH CAUTION

### CEILING VERSUS VISIBILITY

The second secon

2 1 14

WILLIAMS AFB AZ

69-70,73-80

JUL

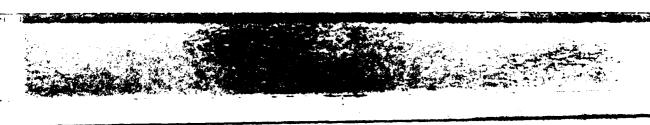
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ ¾	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	72.2		1 : 7	72 • 2 75 • 9					72.2 75.9			72.2 75.9			72.2 75.9	
≥ 18000	76.3	75.9 76.3		76.3								76.3			76.3	
≥ 16000	77.1	77.1		77.1	77.1	77.1	77.1		77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000 ≥ 12000	86.5											86.5		1	86.5	
≥ 10000	98.4			97.6		97.6			98.4		97.6	98.4		97.6	98.4	97.6
≥ 9000	98.4		1			98.4					98.4					
≥ 8000	98.4											98.4		98.4	98.4	98.4
≥ 7000	98 • 8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 6000 ≥ 5000	1.5		100.0													
≥ 4500			100.0													
≥ 4000			100.0								1					
≥ 3500			100.0													
≥ 3000	-		100.0													
≥ 2500			100.0													
≥ 2000			100.0													
≥ 1800 ≥ 1500			100.0	_					-	- 1						
≥ 1200			100.0													
≥ ;000			100.0													
≥ 900			100.0													
≥ 800			100.0													
≥ 700 ≥ 600			100.0							_						
			100.0				-	7								
≥ 500 ≥ 400	1 7		100.0													
≥ 300			100.0					<u> </u>								
≥ 200			100.0										-	-		
≥ 100	1		100.0													
≥ 0	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

WILLIAMS AFB AZ

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	ES-						
(FEE?)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄4	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	71.9	71.9	71.9				71.9		71.9	71.9	71.9	71.9	71.9	71.9	71.9	71.9
≥ 18000	77.1	77.0	77.0	77.0	77.0		77.0	77.0	77.9	77.0 77.9		77.9	77.9	77.9	77.9	77.9
≥ 16000	77.9	77.9 78.7	77.9	77.9 78.7	77.9 78.7	77.9	78.7	77.9 78.7	78.7	70 7	77.9	78.7	70.7	70.7	70.7	78.7
≥ 14000	78.7 87.		78.7			<del></del>	87.0		87.0	87.0	87.D	87.0	87.0	87.D	87.C	87.0
≥ :2000	97.8	87.0 97.8		87.0 97.8	87.0 97.8	97.8	97.8	97.A	97.R	97.8		97.8	97.8	97.9	97.8	97.8
≥ 10000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 9000	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	00.4	99.4	99.4	00.4	99.4	99.4
≥ 8000	99.4	99.4	99.4				99.4		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000	99.6	99.6	99.6			1	99.6	99.6				99.6	99.6	99.6	99.6	99.6
≥ 6000						100.0			100.0		, , , , , , , ,	100.0		100.0	100.0	
≥ 5000				1		100.0			100.0		IT I I I I		100.0			100.0
≥ 4500						100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0					]			100.0			100.0	100.0	ica.o	100.0	
≥ 3500	100.0			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.d	100.0	100.0	100.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 2500	100.0	100.0	100.0	100.0	100.0	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.d	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10C.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5
≥ 1500	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	150.C
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ ,000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800						100.0			100.0			100.0	100.0	100.0		100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 500	, 7			,					100.0		100.0	100.0	100.0	100.0		100.C
≥ 400						100.0						100.0	100.0	100.0		
≥ 300						100.0				100.0	100.0	100.0	100.0	100.0		100.0
≥ 500											100.0			100.0		
≥ 100											100.0			100.0		
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	700.0	700.0	100.0	100.0	100.0	100.0	100.0	130.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_784



CLOBAL CLIMATOLOGY BRANCH US AFETAC Alm REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1 4

AILLIAMS AFB AZ

69-70,73-80

JUL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

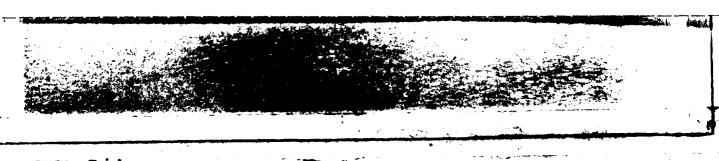
0900-1100 Hours (L.S.T.)

CELING					.—.			VIS	BILITY ST	ATUTE MIL	ES-	1.00					
NO CERUMC   75.7   75																	
≥ 20000 81.0 81.0 81.0 81.0 81.0 81.0 81.0		≥10	≥6	≥5	≥4	≥3	≥2%	≥ ?	≥1%	≥1%	≥1	≥%	≥%	≥%	≥5/16	≥ ¼	≥0
≥ 20000 81. C 81.	NG 7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 16000	0 8	1.d	81.0	81.0	81.0	81.0	81.0	81.D		81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0
2   14000   90.6   97.7   97.7   9	0 8:	2.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1	82.1
≥ 1000	o   8	3.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5	83.5
2   1000	0 91	0.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 10000	0 9	8.8	98.8	98.8	98.8	98.8			98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 8000		9.4	99.4	99.4	99.4	99.4				99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 7000   99.7	0 9	9.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000   160. d 100. d		9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 5000	0 9	9.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500   100.0100.0100.0100.0100.0100.0100.0	0 160	0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100-0
≥ 4000   130.d100.d100.d100.d100.d100.d100.d100.d	0 100	0.d	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 3500   100.d100.d100.d100.d100.d100.d100.d100.		0.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 3000   100.0100.0100.0100.0100.0100.0100.	°  131	:0.d	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500   100.d100.d100.d100.d100.d100.d100.d100.		0.00	190.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	0 10	o.d	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 1800		10.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 10	00.d	100.0	100.0	100.0	100.0	100-0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3
≥ 100. d100. d100	- 1	10.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100   100	0 10	o.d	100.0	100.0	100.0	100.0	100.0	100.0	100.d	100. Q	100.0	100.0	100.0	100.0	100.0	100.0	100.0
100.d100.d100.d100.d100.d100.d100.d100.		00.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$	0 10	10.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700   100.d100.d100.d100.d100.d100.d100.d100.	-	00.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
$ \begin{tabular}{l lllllllllllllllllllllllllllllllllll$	0 10	00.d	100.0	100.0	100.0	100.0	100.g	100.0	100 · d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500   100.d100.d100.d100.d100.d100.d100.d100.		00.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
$ \stackrel{\geq}{\overset{400}{}}  \begin{array}{c} 100.4100.4100.4100.4100.4100.4100.4100.$	0 10	20.d	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0
200 100.d100.d100.d100.d100.d100.d100.d10		00.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
<sup>2</sup> 200 100.d100.d100.d100.d100.d100.d100.d10	0 10	o.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	-	0.00	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
and the dien dien dien dien dien dien dien die	0 10	10.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.q	100.0	100.0	100.0	100.0	100.0	100.0	100.c
≥ 1∞  100.q100.q100.q100.q100.q100.q100.q100.	0 10	o.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
🖹 ° 100.d100.d100.d100.d100.d100.d100.d100.	0 10	00.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS ...

90

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLE



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 104 HILLIAMS AFB AZ

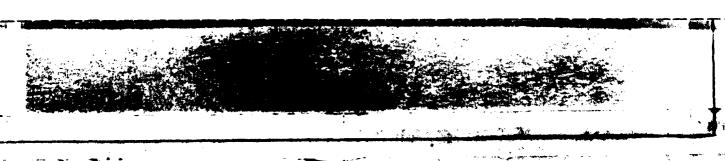
69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1450 HOURS (L.S.T.)

CEILING							vis	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥¥	≥%	≥4	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	84.7 90.0	84.7 90.0	84.7	84 • 7 90 • 0	84.8	84.8 90.1	84.8 90.1	84.8 90.1	84.8	84.8 90.1	84.8 90.1	84.8 90.1	84.8 90.1	84.8 90.1	84.8 90.1	84.8 90.1
≥ 18000 ≥ 16000	90.6	90.6	90.6 91.3	90.6 91.3	90.7	90.7	90.7 91.4	90.7 91.4	90.7	90.7	90.7 91.4	90.7	90.7 91.4	90.7	90.7 91.4	90.7 91.4
≥ 14000 ≥ 12000	94.4	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5 99.3	94.5	94.5	94.5 99.3	94.5 99.3	94.5
≥ 10000 ≥ 9000	99.3	99.3	99.3	99.3 99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4 9 <b>9.</b> 4
≥ 8000 ≥ 7000	99.5	99.5	99.5	99.5	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4 99.7	99.4 99.7
≥ 6000 ≥ 5000	99.9	99.9	99.9	99.9		]	100.0			100.0 100.0				100.0 100.0		100.0
≥ 4500 ≥ 4000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0		100.0	100.0
≥ 3500 ≥ 3000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.9	99.9	99.9	99.9	100.0	100.0		100.0	100.0		100.0	100.0	100.0		100.0	100.0
≥ 900 ≥ 800	99.9	99.9	99.9		100.0		100.0	100.0		100.0		100.0	100.0	100.0 100.0	100.0	100.0
≥ 700 ≥ 600	99.9	99.9	99.9	99.9	100.0	100.0	100.0		100.0 100.0	100.0	100.0 100.0		100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	99.9	99.9	99.9	99.9	100.0		100.0			100.0	100.0		100.0	100.0	100.0	100.0
≥ 100	99.9	99.9	99.9	99.9		100,0								100.0		100.0

TOTAL NUMBER OF OBSERVATIONS \_



GLOBAL CLIMATOLOGY BRANCH CLAFETAC Alm meather service/mac

# CEILING VERSUS VISIBILITY

2 11 14

WILLIAMS AFB AZ

69-70,73-80

JUL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (LLET.)

CEILING			-				VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11%	≥1	≥ ¼	≥%	≥ ⊬:	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	82.0 90.5	82.2	82.2 90.7		82.2 90.7		82.2 90.7		82.2 90.7	82.2 90.7	82.2 90.7	82.2 90.7	82.2 90.7	82.2 90.7	82.2 90.7	82.2 90.7
≥ 18000 ≥ 16000	91.3 91.7	91.4	91.6	91.6	91.6	91.6	91.6		91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 14000 ≥ 12000	94.8	94.9	95.0 97.6	95.0 97.6	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7	95.1 97.7
≥ 10000 ≥ 9000	97.9 97.9	98.0	98.1 98.1	98 · 1	98.2 98.2	98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2
≥ 8000 ≥ 7000	98.1 98.9	98.2	98.3 99.2	98.3	98.5	98.5	98.5	98.5	98.5 99.4	98.5	98.5 99.4	98.5	98.5	98.5	98.5 99.4	98.5
≥ 6000 ≥ 5000	99.2	99.4	99.4	99.6	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9 100.0	L :	99.9	99.9	
≥ 4500 ≥ 4000	9 <b>9.</b> 3	99.4	99.5		99.9	99.9	99.9	99.9	99.9	100.0 100.0			100.0			
≥ 3500 ≥ 3000	99.3	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0 100.0		100.0 100.0		100.0		100.0
≥ 2500 ≥ 2000	99.3	99.4	99.5 99.5	99.8	99.9	99.9	99.9 99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0 100.0		100.0		100.0
≥ 1800 ≥ 1500	99.3	99.4	99.5 99.5	99.8 99.8	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0		100.0
≥ 1200 ≥ i000	99.3 99.3	99.4	99.5 99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0	100.0	700.0	100.0	100.0
≥ 900 ≥ 800	99.3	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0 100.0			100.0	100.0 100.0
≥ 700 ≥ 600	99.3	99.4	99.5	99.6	99.9	99.9	99.9	99.9	99.9	100.0 100.0	100.0 100.0	100.0 100.0			100.0	100.0
≥ 500 ≥ 400	99.3	99.4	99.5	99.8	99.9	99.9	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0	100.0	100.0	
≥ 300 ≥ 200	99.1	99.4	99.5	99.	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0		100.0	100.0	
≥ 100 ≥ 0	99.3	99.4	99.5		99.9	99.9	99.9	99.9	99.9	100.0 100.0			100.0			100.0

TOTAL NUMBER OF OBSERVATIONS

841

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **CEILING VERSUS VISIBILITY**

27104

WILLIAMS AFB AZ

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.T.)

CEILING				*			VIS	BILITY ST	ATUTE MIL	ES-						
(FEE7)	≥10	≥6	≥ 5	≥4	. ≥3	≥2%	≥ 2	≥1%	≥1¼	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	64 • 3 7 <b>7 •</b> 4	64.5 77.6	64.6	64.6 77.7	64.8	64.8	64.8 78.0	64.8 78.0	64.8 78.0	1 1 1 1 1	64.8 78.D	64.8 78.0	64.8 78.0	64.8 78.0	64.8 78.0	64.8 78.0
≥ 18000 ≥ 16000	78.4 79.1	78.6 79.2	78.7 79.4	78.7 79.4	78.8 79.5	78.8 79.5	79.0 79.7	79.0 79.7	79.0 79.7	79.0 79.7	79.0 79.7	79.0 79.7	79.0	79.0 79.7	79.5 79.7	79.0 79.7
≥ 14000 ≥ 12000	84.4 91.5	84.5 91.8	84.7 92.1	84.7 92.1	85. 92.5	85.1 92.6	85.2 92.8	85.2 92.8	85.2 92.8	93.0	85.2 93.0	85.2 93.0	85.2 93.0		93.0	93.0
≥ 10000 ≥ 9000	92 • 1 92 • 1	92.3 92.3	92.6 92.6	92.6 92.6	93.2 93.2	93.3 93.3	93.5 93.5	93.5 93.5	93.5	93.7	93.7 93.7	93.7 93.7	93.7 93.7	93.7 93.7	93.7	93.7
≥ 8000 ≥ 7000	92.3	92.6	94.8		93.5	· · · · ·	93.7 95.8	93.7	93.7	94 • 0 96 • 1	94.0	94.0 96.1	96.1	94.0	96.1	94.0
≥ 6000 ≥ 5000	97.4	97.9	98.6	98.6	99.3	99.4	99.7 99.7	99.7	99.7	100.0 100.0	100.0	100.0	100.0		100.0	100.0
≥ 4500 ≥ 4000 ≥ 3500	97.4	97.9 97.9	98.6	98.6	99.3	99.4	99.7 99.7	99.7 99.7	99.7 99.7	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0 100.0
≥ 3500 ≥ 3000 ≥ 2500	97.4 97.4	97.9	98.6	98.6 98.6 98.6	99.3	99.4	99.7	99.7	99.7	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0
≥ 2000	97.4 97.4	97.9	98.6	98.6	99,3	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	97.4	97.9	98.6	98.6	99.3	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ i000 ≥ 900	97.4	97.9	98.6		99.3	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0		100.0
≥ 800	97.4	97.9	98.6		99.3	99.4	99.7	99.7	99.7	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0		100.0
≥ 600 ≥ 500	97.4	97.9	98.6	98.6	99.3	99.4	99.7	99.7	99.7	100.0	100.0 100.0	100.0	100.0	100.0		100.0 100.0
≥ 400	97.4	97.9	98.6	98.6	99.3	99.4	99.7	99.7	99.7	100.0	100.0	100.0			100.0	100.0
≥ 100	97.4	97.9	1 :::::			99.4	99.7	99.7	99.7	100.0		100 • 0		100.0	100.0	100.0
≥ 0	97.4	97.9	98.6	98.6	99.3	99.4	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	700.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 718

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS COITIONS OF THIS FORM ARE GENOLET



GLOBAL CLIMATOLOGY BRANCH STAFETAC ATA MEATHER SERVICE/MAC

USE WITH CAUTION BEE FIRST PAGE

# CEILING VERSUS VISIBILITY

WILLIAMS AFB AZ

69-70,73-8C

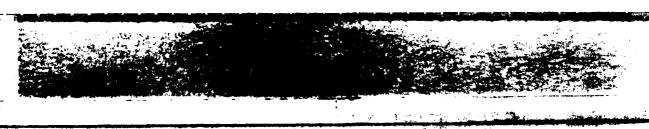
JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CEILING	-						VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ ¾	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	64.9 76.3	64.9	64.9	64.9 76.5	64.9 76.5	64.9	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8	65.2 76.8
≥ 18000	76.5	76.8	76.8	76.8	76.8	76.8	77.0	77.0	77.0	77.0	77.0 77.5	77.0	77.0 77.5	77.0	77.0	77.C
≥ 14000 ≥ 12000	83.5	77.3 83.7	83.7	77.3 83.7	83.7	83.7	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0	84.0
≥ 10000	92.1 94.1	92.8	92.8	92.8 94.8	92,8	92.8	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1	93.1 95.1
≥ 9000	94.1 94.8	94.8	94.8	94.8	94.8	94.8	95.1 95.8	95.1 95.8	95.8 95.8	95.1 95.8	95.1 95.8	95.1 95.8	95.1 95.8	95.1 95.8	95.1 95.8	95.8
≥ 7000 ≥ 6000	95 · 8	96.5	96.5	96.5	96.5 99.0	96.5	96.8 99.5	96.8	96.8	96.8	96.8 99.5	96.8	96.8	96.8	96.8 99.5	96.8 99.5
≥ 5000 ≥ 4500	98.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0		100.0	100.0	100.0	100.0		100.0
≥ 4000	98.5	99.5	99.5	99.5	99.5	99.5	130.0	100.0	100.0		100.0	100.0		100.0		100.0
≥ 3500 ≥ 3000	98.5	99.5	99.5	99.5	99.5 99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	98.5 98.5	99.5 99.5	99.5	99.5	99.5	99.5 99.5	100.0 100.0				100.0 100.0	100.0				100.0
≥ 1800 ≥ 1500	98.5 98.5	99.5	99.5	99.5 99.5	99.5		100.0 100.0		100.0 100.0		100.0 100.0	100.0 100.0				100.0
≥ 1200 ≥ 1000	98.5 98.5	99.5	99.5	99.5	99.5		100.0			100.0	100.0 100.0	100.0			100.0	100.0
≥ 900 ≥ 800	98.5 98.5	99.5	99.5	99.5	99.5			100.0	The street of the street of	100.0		100.0		100.0	100.0	100.0
≥ 700 ≥ 600	98.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.5	99.5	99.5	99.5	99.5			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 300	98.5	99.5	99.5	99.5	99.5	99.5	100.0 100.0		100.0	100.0		100.0	100.0	100.0	100.0	100.0
≥ 200	98.5	99.5	99.5	99.5	99.5	99.5				100.0 100.0	100.0 100.0	100.0			100.0	
≥ 0	98.5	99.5	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_



GLOBAL CLIMATOLOGY BRANCH USAFETAC All acather service/mac

# CEILING VERSUS VISIBILITY

2 104 WILLIAMS AFB AZ

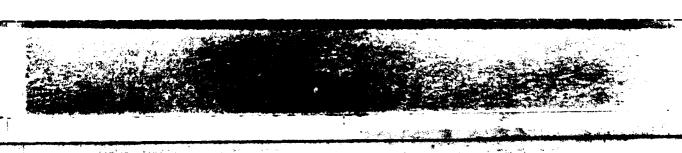
69-70,73-83

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST.	ATUTE MIL	ES-						
(FEE?)	≥10	≥6	≥5	≥ 4	≥3	≥21⁄.	≥ 2	≥1%	≥1%	21	≥ %	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	75.1 82.5	75.1 82.6	75.2 82.6	75.2 82.6	75.2 82.7											
≥ 18000 ≥ 16000	83.1 64.1	83.4 84.2	83.4	83.4 84.2	83.5	83.5 84.2	83.5 84.3	83.5	83.5 84.3	83.5						
≥ 14000 ≥ 12000	89.7 96.8	89.8	89.8	89.8	89.9 97.0		90.0 97.1	90.0	90.0 97.1	90.0 97.1	90.0 97.1	90.0 97.1	90.0	90.0	90.0	90.0 97.1
≥ 10000 ≥ 9000	97.5 97.5	97.6 97.6	97.7	97.7	97.8	97.9	97.9	97.9	97.9	97.9 97.9	97.9	97.9	1 1 1 1	97.9		
≥ 8000 ≥ 7000	97.7	97.8	97.9	97.9 98.5	98.0 98.7	98.0	98.1	98.1	98.1 98.8	98.1 98.8	98.1	98.1	98.1 98.8	98.1 98.8	98.1 98.8	98.1 98.8
≥ 6000 ≥ 5000	99.3	99.5		99.6		99.8	99.9	99.9	99.9	99.9		99.9	99.9	99.9		99.9
≥ 4500 ≥ 4000	99.3	99.5			99.8	99.9	99.9	99.9			100.0	100.0	100.0	100.0	100.0	
≥ 3500 ≥ 3000	99.3	99.5	99.6	99.7	99.8	99.9	99.9	99.9			100.0		100.0	100.0		100.0
≥ 2500 ≥ 2000	99.3	99.5		99.7	99.8	99.9	99.9	99.9			100.0		100.0	100.0	100.0	
≥ 1800 ≥ 1500	99.3	99.5		99.7	99.8	99.9	99.9	99.9	***	100.0	100.0	100.0	100.0	100.0		100.0
≥ 1200 ≥ 1000	99.3	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	
≥ 900 ≥ 800	99.3	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9		100.0	AND LE	100.0	100.0	100.0	
≥ 700 ≥ 600	99.1	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9		100.0		100.0	100.0	100.0	
≥ 500 ≥ 400	99.	99.5	99.6	99.7	99.8	99.9	99.9	99.9	99.9		100.0		100.0		100.0	
≥ 300 ≥ 200	99.1	99.5	99.6	99.1	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 100 ≥ 0	99.3	99.5	99.6		99.8	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0	100.0	100.0

4803 TOTAL NUMBER OF OBSERVATIONS \_



SLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR MEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

2 1 1 4

"ILLIAMS AFB AZ

69-70,73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

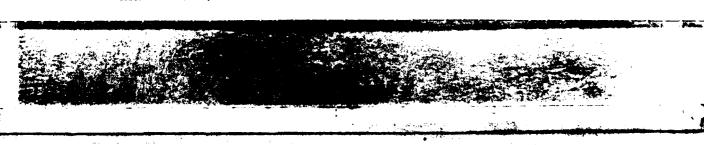
300-0500 HOURE (LELT.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES:				-		
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2½	≥ 2	≥1%	≥1%	≥1	≥ %	≥%	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	31.8 85.8	81.8	1 7 7 7	81.8	81.8 85.8	81.8 85.8		81.8	81.8 85.8	81.8	81.8 85.8	81.8	81.8 85.8	81.8 85.8	81.8 85.8	81.8 85.8
≥ 18000 ≥ 16000	85.8 85.8	85.8 85.8	85.8	85.8 85.8	85.8	85.8	85.8 85.8	85.8	85.8 85.8	85.8 85.8	85.8 85.8	85.8	85.8 85.8	85.8 85.8	85.8 85.8	85.8 85.8
≥ 14000 ≥ 12000	91.5 9 <b>9.</b> 2	91.5	91.5	91.5	91.5 99.2	91.5 99.2		91.5 99.2	91.5 99.2		91.5 99.2	91.5	91.5 99.2	91.5 99.2	91.5 99.2	91.5 99.2
≥ 10000 ≥ 9000											100.0 100.0					
≥ 8000 ≥ 7000											100.0					
≥ 6000 ≥ 5000											100.0		-			
≥ 4500 ≥ 4000	7		1								100.0					
≥ 3500 ≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200 ≥ i000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900 ≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.6
≥ 700 ≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

247

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1194

WILLIAMS AFB AZ

69-70,73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800 Hours (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES.						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ 1/4	≥%	34	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	83.3 86.6	83.3 86.6	83.3 86.6	83.5 86.7	83.5 86.7	83.5 86.7	83.5 86.7	83.5 86.7	83.5 86.7	83.5 86.7	83.5 86.7	83.5 86.7	83.5	83.5 86.7	83.5 86.7	83.5 86.7
≥ 18000 ≥ 16000	86.8 87.2	86.8	86.8	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.D 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.9 87.3
≥ 14000 ≥ 12000	92.1 98.0	92.1 98.0	92.1 98.0	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1	92.2 98.1
≥ 10000 ≥ 9000	99.6 99.6	99.6	99.6	99.7	99.7 99.7	99.7	99.7 99.7	99.7	99.7 99.7	99.7 99.7						
≥ 8000 ≥ 7000	99.9	99.9		100.0		100.0	100.0		100.0 100.0			100.0 100.0	100.0	-	100.0	100.0
≥ 6000 ≥ 5000	99.9 99.9	99.9 99.9	99.9		100.0 100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.6 100.0		100.0 100.0		10 <b>0.</b> 0		100.0
≥ 4500 ≥ 4000	99.9	99.9	99.9		100.0	100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.C
≥ 3500 ≥ 3000	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0 100.0			100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0
≥ 2500 ≥ 2000	99.9	99.9	99.9	100.0	100.0	100-0	100.0 100.0	190.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0
≥ 1800 ≥ 1500	99.9	99.9	99.9	100.0	100.0		100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0
≥ 1200	99.9	99.9	99.9	100.0		100.0 100.0	100.d	100.0	100.0 100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0
≥ 900 ≥ 800	99.9	99.9	99.9	100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 700 ≥ 600	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0
≥ 500 ≥ 400	99.9	99.9	99.9	100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 300 ≥ 200 ≥ 100	99.9	99.9	99.9	100.0	100.0	100.0	100.0		100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0 100.0
≥ 0	99.9	99.9			100.0					100.0					100.0	

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS ESITIONS OF THIS FORM ARE OBSOLE



GLUBAL CLIMATOLOGY BRANCH LEAFETAC AT - REATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

WILLIAMS AFB AZ

69-70,73-80

AUS

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

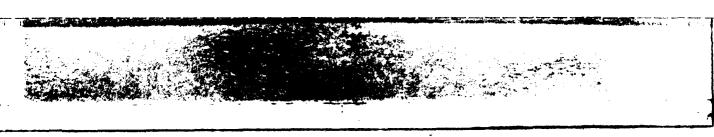
7960-1100

CEILING							٧١S	BILITY ST	ATUTE MILI	ES:						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥c
NO CEILING	86.5	86.5	86.5	86 • 6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.5	86.6	86.6
≥ 20000	88.6	88.6	88.6	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	88.7	
≥ 18000 ≥ 16000	8.86	88.8	88.8	88.9		88.9	88.9		88.9	88.9		88.9	88.9	88.9	88.9	88.4
	89.2	89.2	89.2	89.3		89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 14000 ≥ 12000	93.9	93.9	93.9	94.0	1	94.D	94.0	7	94.0	94.0	1 1	94.0		94.0	94.0	94.0
	98.8	98.8	98.8				98.9		98.9			98.9	98.9	98.9	98.9	98.9
≥ 10000 ≥ 9000	99.6	99.6	99.6		99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
	99.6	99.6	99.6			99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99,7
≥ 8000 ≥ 7000	99.8	99.8	99.8	99.9	1 1	99.9	99.9		99.9	99.9	1 1	99.9		99.9	99.9	99.9
	99.8	99.8	99.8			<del></del>	99.9		99.9		<del></del>	99.9	99.9	99.9	99.9	99,9
≥ 6000 ≥ 5000	99.8	99.8		99.9		99.9	99.9		99.9			99.9	99.9	99.9	99.9	99.9
	99.8	99.8	99.8			99.9	99.9		99.9		<del></del>	99.9		99.9	99.9	99.9
≥ 4500 ≥ 4000	99.8	99.8		99.9	* * * *	99.9	99.9		99.9	99.9		99.9		99.9	99.9	99.9
	99.8	99.8	99.8	99.9	99.9	99.9	99.9	····	99.9		<del></del>	99.9	99.9	99.9		99.9
≥ 3500 ≥ 3000	99.9	99.8	99.8	99.9		99.9	99.9	· ' • ' I	99.9	99.9	1	99.9			99.9	99.5
	99.9	99.9									100.0					
≥ 2500 ≥ 2000	99.9	99.9		100.0							100.0					
	99.9	99.9		100.0	100.0						100.0			100.0	2414	100.0
≥ 1800 ≥ 1500											100.0					
	99.9	99.9		100.0							100.0			7277		100.C
≥ 1200 ≥ i000	99.9	99.9								7 7 7 7 2	100.0					
≥ 900	99.9	99.9		100.0							100.0			100.0		100.0
≥ 800	99.9	99.9	• · ·	100.0							100.0					100.0
	99.9	99.9									100.0		160.0	7.7.7		
≥ 700 ≥ 600	99.9	99.9	99.9								100.0					
	99.9	99.9									100.0					100.0
≥ 500 ≥ 400	99.9	99.9									100.0					100.0
≥ 300	99.9	99.9			$\overline{}$						100.0					
≥ 200	99.9	99.9	1								100.0					
> 100	99.9	99.9									100.0					
≥ 100	99.9	99.9									100.0					
	77.7	7767	7767	LUGU	100.0	rou • u	10000	TOO . O	10010	10000	40000	10010	* O O • D	100.0	1 0 0 0 (1)	<u> </u>

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

928

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE



CLUBAL CLIMATOLOGY BRANCH COAFETAC ATH REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 . 4 AILLIAMS AFB AZ

69-70,73-8°

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING				-			viS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥ ;0	≥ 6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥ i ½	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ '4	≥c
NO CEILING	91.	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 20000	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4		93.4	93.4	_	93.4	93.4	93.4
≥ 18000	93.3	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4	93.4
≥ .9000	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 14000	95.9	96.5	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.€	96.0	96.0	96.0	96.0	96.U
≥ :2000	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 10000	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 9000	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 8000	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 7000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 6000	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 5000	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.9	100.0	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.9	100.0	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.C
≥ 2500	99.9	100.0	100.0	100.0	100.0	190.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.0	100.0
≥ 2000	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	100.5
≥ 1800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.5
≥ 1500	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200			100.0													
≥ .000	99.9	100.0	1100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	լնս.Ի
≥ 900	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.7
≥ 800	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	170.a
≥ 700			100.0													
≥ 600	99.4	100.0	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0
≥ 500			100.0													
≥ 400			100.0													
≥ 300			100.0										_			
≥ 200	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	և ոս . օ
> 100			100.0													
≥ 0			100.0	1												
	7703	10000	4 - 0 0 + 0		10000					120000						- · · ·

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_93



GUMBAL CLIMATOLOGY RRANCH U. AFETAC

AL REATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 1 4

\_ .ILLIAMS AFB AZ

69-70,73-87

AUG

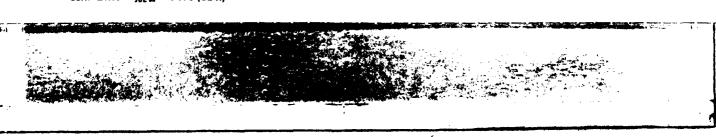
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 Hours (L.s.v.)

CEILING							VIS	IBILITY STA	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ । %	≥1%	≥1	≥ %	≥%	. ≥ ٧:	≥ 5/16	≥ 1/4	≥c
NO CEILING ≥ 20000	90.5 95.7	93.6 95.8	90.5 95.8			90.6		90.6 95.8	90.6	90.6	90.6 95.8	90.6	93.6 95.8	90.6 95.8		96.6 95.8
≥ 18000 ≥ 16000	95.7 95.7	95.8	95.8 95.8	95.8	95.8	95.8 95.8	95.8	95.8 95.8	95.8	95.8 95.8						
≥ 14000 ≥ 12000	97.1 98.6	97.2	97.2 98.7	97.2		97.3	97.3	97.3 98.8	97.3	97.3 98.8	97.3 98.8	97.3	97.3 98.8	97.3 98.8	97.3	97.3 98.8
≥ 10000 ≥ 9000	98.6 98.6	98.7 98.7	98.7 98.7	98.7 98.7	98.8 98.8	98.8	98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8 98.8	98.8	98.8 98.8	98.8 98.8	98 • 8 98 • 8	98.8 98.8
≥ 8000 ≥ 7000	98.8 99.1	99.0	99.0		99.1 99.3	99.1	99.1 99.3	99.1	99.1	99.1 99.3	99.1 99.3	99.1	99.1	99.1 99.3	99.1 99.3	99.1 99.3
≥ 6000 ≥ 5000	99.4	99.7	99.7 99.8	99.7 99.8	99.8 99.9	99.8		99.8 99.9	99.8	99.8 99.9	99.8 99.9	99.8	99.8	99.8 99.9	99.8 99.9	99.8
≥ 4500 ≥ 4000	9 <b>9.5</b> 9 <b>9.</b> 5	99.8	99.8		99.9	99.9		99.9 99.9	99.9 99.9	99.9	99.9	99.9	99.9	99.9 99.9	99.9 99.9	99.9
≥ 3500 ≥ 3000	9 <b>9.5</b> 9 <b>9.</b> 5	99.8 99.8	99.8 99.8	99.8	99.9	99.9	99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9	99.9	99.9 99.9	99.9 99.9	99.9
≥ 2500 ≥ 2000	9 <b>9.5</b> 9 <b>9.5</b>	99.8	99.8	99.8	99.9	99.9		99.9 99.9	99.9		99.9	99.9	99.9	99.9 99.9		
≥ 1800 ≥ 1500	99.5	99.8	99.8	99.8	99.9	99.9		99.9	99.9		99.9	99.9		99.9	99.9	
≥ 1200	99.5	99.8	99.8	99.8	99.9	99.9		99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800	99.5	99.8	99.8	99.8	99.9	99.9		99.9	99.9		99.9	99.9	99.9	99.9	99.9	
≥ 700 ≥ 600	99.5	99.8	99.8	99.8		99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
≥ 500 ≥ 400 ≥ 300	99.5 99.5	99.8 99.8	99.8 99.8	99.8	99.9	99.9	99.9 99.9	99.9	99.9 99.9	99.9	99.9	99.9		99.9 99.9	99.9 99.9	
≥ 200	99.5	99.8	99.8	99.8		99.9		99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100 ≥ 0	99.5	99.8				99.9		99.9	99.9	99.9	99.9	99.9	-		107.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_ 260

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1114

WILLIAMS AFB AZ

69-70,73-80

AUG

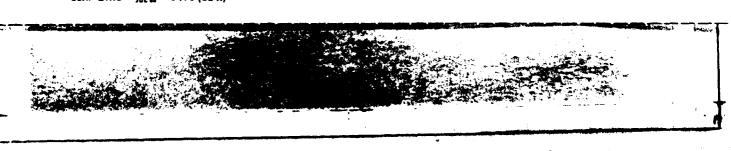
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 Hours (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES.	-					
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥1%	≥11⁄4	≥1	≥ 1⁄4	≥%	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	74.2 84.5	74.3	74.3	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0	74.5 85.0
≥ 18000 ≥ 18000	84.9	85.2 85.2	85.3 85.3	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4	85.4 85.4		85.4 85.4	85.4 85.4
≥ 14000 ≥ 12000	89.9 95.0	90.2 95.3	90.3	90 • 4 95 • 6	90.4	90.4 95.6	90.4 95.6	90.4 95.6	90.4 95.6	90.4 95.6	90.4	90.4 95.6	90.4 95.6		95.4 95.6	[
≥ 9000 ≥ 10000	96.1	96.3 96.4	96.4 96.5		96.5 96.7	96.5 96.7	96.5 96.7	96.5 96.7	96.5 96.7	96.5 96.7	96.5 96.7				1	1
≥ 8000 ≥ 7000	96.7 97.4	96.9 97.8	97.1 97.9	97.2 98.1	97.2 98.3	97.2	97.2 98.3	97.2 98.5		97.2 98.6	97.2 98.6	97.2 98.6				97.4 98.8
≥ 6000 ≥ 5000	98.2 98.2	98.6 98.6	98.8 98.8		99.4	99.4	99.4 99.4		99.6 99.6	99.9 9 <b>9.</b> 9	99.9					100.0
≥ 4500 ≥ 4000	98.2 98.2	98.6 98.6			99.4 99.4	99.4	99.4 99.4	99.6			99.9 99.9		99.9 99.9			100.0 100.0
≥ 3500 ≥ 3000	98.2 98.2	98.6 98.6			99.4 99.4	99.4	99.4	99.6 99.6	99.6 99.6	99.9	99.9	99.9	99.9			100.0 100.0
≥ 2500 ≥ 2000	98•2 98•2	98.6 98.6			99.4	99.4	99.4	99.6	99.6		99.9		99.9		99,9	100.0
≥ 1800 ≥ 1500	98.2 98.2	98.6 98.6	98.8	98.9	99.4	99.4	99.4		99.6	99.9			99.9	99.9	99.9	<b>າຍຄ</b> ຸວ
≥ 1200 ≥ 1000	98.2 98.2	98.6 98.6	98.8	98.9	99.4	99.4	99.4	99.6		99.9	99.9		99.9		99.9	100.5
≥ 900 ≥ 800	98.2 98.2	98.6 98.6		98.9	99.4	99.4	99.4		99.6	99.9	99.9		99.9		99.9	100.0 100.0
≥ 700 ≥ 600	98.2	98.6		98.9	99.4	99.4	99.4	99.6		99.9	99.9		99.9		99.9	100.0
≥ 500 ≥ 400	98.2	98.6	98.8	98.9	99.4	99.4	99.4		99.6	99.9	99.9	99.9	99.9		99.9	100.0
≥ 300 ≥ 200	98.2	98.6	98.8	98.9	99.4	99.4	99.4	99.6	99.6	99.9					99.9	100.0
≥ 100	98.2 98.2	98.6	98.8	98.9 98.9	99.4	99.4	99.4	99.6	99.6	99.9			_	99.9	_	190.0 190.0

TOTAL NUMBER OF OBSERVATIONS

HEAT STAC FORM ALLE (OL A) PREVIOUS ENTINES OF THIS FORM AND OBSOLE



GLOBAL CLIMATOLOGY BRANCH J'AFETAC ATH REATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# CEILING VERSUS VISIBILITY

wILLIAMS AFB AZ

69-70,73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300 HOURS (L.S.T.)

CEILING							VIS	IBILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄5	≥ 2	≥1%	≥1%	ا≤	≥ ¥4	≥ %	≥ ₩	≥ 5/16	≥ 1/6	≥0
NO CEILING ≥ 20000	75.1 82.	75.1 82.0	75.1 82.0	75 • 1 82 • 0	75.4	75.4 82.3	75.4 82.3	75.4								
≥ 18000 ≥ 16000	82.5	82.5	82.5 82.5		82.8	82.8	-		82.8	82.8		82.8	82.8	82.8	82.8 82.8	
≥ 14000 ≥ :2006	67.3 91.5	87.6	87.6	7.5.7.4	87.8 92.3	87.8 92.3	87.8		87.8	4814				87.8	757	
≥ 10000 ≥ 9000	9 <b>4.4</b> 9 <b>5.</b> 0	95.0 95.5	95.0	95.0		95.5 96.0	95.5		95.5		95.5	95.5	95.5	95.5	95.5	95.
≥ 8000 ≥ 7000	95.5 96.6	96.0 97.1	96.0 97.1	<del></del>	96.6	96.6		96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.
≥ 6000 ≥ 5000	98.7 98.7	99.2	99.2		99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 4500 ≥ 4000	98.7 98.7	99.2	99.2		99.7		100.0		100.0	100.0		100.0	100.0	100.0		100.
≥ 3500 ≥ 3000	98.7	99.2	99.2	99.2	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0			100.
≥ 2500 ≥ 2000	98.7	99.2	99.2	99.2		99.7	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.
≥ 1800 ≥ 1500	98.7 98.7	99.2	99.2	99.2	99.7	99.7	100.0		100.0	100.0	100.0	100.0	100.0	10 <b>0.</b> 0		100.
≥ 1200 ≥ 1000	98.7	99.2	99.2	99.2		99.7	100.0		100.0	100.0	100.0	100.0	100.0	100.0		100.
≥ 900 ≥ 800	98.7 98.7	99.2	99.2			99.7		100.0			100.0	100.0			100.0	100.
≥ 700 ≥ 600	98.7	99.2	99.2		99.7	99.7		100.0		100.0	100.0	100.0	100.0	100.0		100.
≥ 500 ≥ 400	98.7	99.2	99.2	99.2	99.7	99.7		100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.
≥ 300 ≥ 200	98.7	99.2	99.2	99.2	99.7	99.7	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 100 ≥ 0	98.7	99.2	99.2	99.2	99.7	99.7		100.0	100.0	100.0	100.0	100.0	10c.0	100.0	100.0	100.

TOTAL NUMBER OF OBSERVATIONS \_\_\_

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

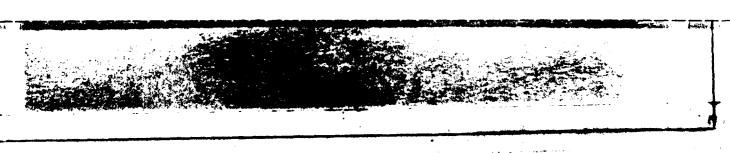
2 104 WILLIAMS AFB AZ

69-70,73-80

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (	·····			<del></del> ,			VIS	HBILITY ST	ATUTE MIL	ES	-		,			
1,55.)	≥10	≥6	≥5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥%	≥ 5/16	≥ ¼	≥0
O CEILING	84.6	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.7	84.
≥ 20000	89.2	39.2	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.
≥ 18000	89.3	89.4	89.4	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.5	89.
≥ 16000	89.5	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.
≥ 14000	93.3	93.4	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.
≥ 12000	97.5	97.6	97.7	97.7	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.
≥ 100001 ≤	98.4	98.5	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.
≥ 9000	98.5	98.7	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8		
≥ 8000	98.8	98.9	99.0	99.0	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.
≥ 7000	99.1	99.2	99.2	99.3	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.
≥ 6000	99.4	99.6	99.6	99.7	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9		99.
≥ 5000	99.4	99.6	99.6	99.7	99.8	99.8		99.9			99.9	99.9				
≥ 4500	99.4	99.6	99.6	99.7	99.8	99.8	1 1		99.9	99.9	99.9	99.9	99.9	99.9		
≥ 4000	99.5	99.6	99.7	99.7	99.9	99.9			99.9		99.9	99.9	99.9			
≥ 3500	99.5	99.6	99.7	99.7	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.
≥ 3000	99.9	99.7	99.7	99.7	99.9	99.9				100.0			100.0		100.0	
≥ 2500	99.5	99.7	99.7	99.7	99.9	99.9		- 1	99.9	100.0	100.0	100.0	100.0	100.0	100.0	<b>100.</b>
≥ 2000	99.5	99.7	99.7	99.7	99.9	99.9			99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 1800	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	ր օգ -
≥ 1500	99.5	99.7	99.7	99.7	99.9	99.9				100.0			100.0	100.0	100.0	100.
≥ 1200	99.5	99.7	99.7	99.7	99.9	99.9	99.9		99.9	100.0	100.0	100.0	100.0	100.0	100.0	բշը.
≥ 1000	99.5	99.7	99.7	99.7	99.9	99.9	99.9		99.9	100.0		100.0	100.0	100.0	100.0	100.
≥ 900	99.5	99.7	99.7	99.7	99.9	99.9			99.9	100.0	100.0	100.0	100.0	100.0	100.0	ը օօ.
≥ 800	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	rco.
≥ 700	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	rea.
≥ 600	99.5	99.1	99.1	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 500	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	<u> 100.</u>
≥ 400	99.5	99.7	99.7	99.7	99.9	99.9	99.9		99.9	100.0	100.0	100.0	100.0		100.0	100.
≥ 300	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 200	99.5	99.7	99.7	99.7	99.9	99.9	99.9		99,9	100.0	100.0	7777		100.0	100.0	
≥ 100	99.5	99.7	99.7	99.7	99.9	99.9				100.0	100.0		100.0		100.0	
≥ 0	99.5	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	Loo.

TOTAL NUMBER OF OBSERVATIONS 4862



CLEPAL CLIMATOLOGY BRANCH L'AFETAC AT: WEATHER SERVICE/MAC

USE WITH CAUTIONS
GEE FIRST PAGE

# CEILING VERSUS VISIBILITY

WILLIAMS AFB AZ

69-70,73-80

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2300-0500 Hours (LE.Y.)

CEIUNG							vis	BILITY ST	ATUTE MIL	ES-		•				
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥ 2	≥1%	≥1½	≥1	≥ ¾	≥%	. ≥%	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	87.1 90.2		1		87.6 9.7	87.6 90.7		87.6 90.7	87.6 90.7		1	87.6 90.7	87.6 90.7	87.6 90.7	87.6 95.7	87.6 90.7
≥ 18000 ≥ 16000	90.2	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 14000	90.7	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1 92.9	91.1	91.1	91.1	91.1	91.1	91.1	91.1 92.9
≥ 12000	96.9	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3
≥ 10000 ≥ 9000	98 • 2 98 • 2	98•7 98•7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7	98.7 98.7
≥ 8000 ≥ 7000	98.2		98.7	98.7	98.7	98.7	98.7	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7	98.7	98.7	98.7 99.1
≥ 6000	98.7			99.1		99.1 100.0	99.1 100.0									
≥ 5000 ≥ 4500				100.0							100.0			100.0		
≥ 4000	99.6	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000			1	100.0			_						100.0	100.0		100.0
≥ 2500 ≥ 2000	99.6	100.0	100.0	100.0	100.0	100.0										1
≥ 1800				100.0									100.0	100.0		100.0
≥ 1500				100.0								100.0	100.0	100.0		00.0
≥ 1000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	00.0	100.0	100.C
≥ 900 ≥ 800			1	100.0			100.0				100.0 100.0	100.0 100.0		10 <b>0.</b> 0		L I
≥ 700 ≥ 600	99.6	100.0	100.0	100.0	100.0	100.0	100.0				100.0			100.0		100.0
≥ 500				100.0							100.0 100.0					
≥ 400 ≥ 300				100.0										100.0		
≥ 200			100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0		100.0	,	100.0												

TOTAL NUMBER OF OBSERVATIONS

ONE OF THIS FORM ARE OBSOLETE



GLURAL CLIMATOLOGY BRANCH US AFETAC AT WEATHER SERVICE/MAC

# CEILING VERSUS VISIBILITY

2 1 4

FILLIAMS AFB AZ

69-70,73-80

SEP

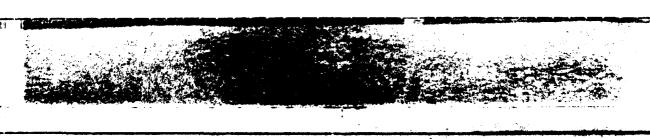
# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-0800

CEILNG							viS	BILITY STA	ATUTE MIL	E5						
(FEET)	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	<b>≱</b> %:	≥ 5/16	≥ ¼	≥0
NO CEUNG ≥ 20000	82.4 82.4	8J.8	87.8 82.8	80.8	80.8	80.8 82.8	80.8 82.5	80.8 82.8	80.8 82.8	80.8 82.8	80.8 82.8	80.8 82.8	80.9 83.0	81.1 83.1	81.2 83.2	81.2 83.2
≥ 18000 ≥ 16000	83.1 83.2	83.4	83.4	83.4 83.7	83.4	83.4	83.4 83.7	83.4	83.4	83.4 83.7	83.4 83.7	83.4	83.5 83.8	83.7	83.8 84.1	83.8
≥ 14000 ≥ 12000	97.7 94.7	88.1 95.2	88.3 95.4	88.4 95.5	88.6 95.6	88.6 95.6										
≥ 9000 ≥ 9000	96.6 96.6	97.3	97.3 97.3	97.3 97.3	97.3	97.3 97.3	1 1 1 1		97.3 97.3		97.3 97.3	97.3 97.3	97.4	97.5 97.5		97.7 97.7
≥ 8000 ≥ 7000	96.7 97.4	97.4	97.4 98.1		97.4 98.1	97.5 98.2	97.7	97.8 98.5	97.8 98.5							
≥ 6000 ≥ 5000	98.5 98.6	99.2 99.3	99.2	99.2 99.3	99.2 99.3	99.2	99.2 99.3		99.2 99.3		99.2 99.3	99.2	99.3 99.5			
≥ 4500 ≥ 4000	98.6 98.6	99.3	99.3	99.3 99.3	99.3		99.3	99.3	99.3	99.3		99.3	99.5	99.6	99.7	99.7
≥ 3500 ≥ 3000	98.6 98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.3		99.6	99.3	99.5	99.7	99.9	100.0	100.0
≥ 2500 ≥ 2000	98.6 98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.9	100.0	100.0
≥ 1800 ≥ 1500	98.6	99.3	99.3	99.3	99.3	99.3	99.3		99.6	99.6		99.6	99.7	99.9		100.C
≥ 1200 ≥ 1000	98.6 98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.9	100.0 100.0	160.0
≥ 900 ≥ 800	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.9		100.0
≥ 700 ≥ 600	98.6 98.6	99.3	99.3	99.3 99.3	99.3	99.3 99.3	99.3 99.3	99.5 99.5	99.6 99.6	99.6 99.6	99.6	99.6 99.6	99.7		100.0	
≥ 500 ≥ 400 ≥ 300	98.6	99.3	99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.9	190.0	100.0
≥ 200	98.6		99.3	99.3	99.3	99.3	99.3	99.5	99.6	99.6	99.6	99.6	99.7	99.9	100.0	100.0
≥ 100	98.6	7.5	99.3	99.3	99.3	99.3	99.3		99.6			99.6	99.7		100.0	1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS ENTINES OF THIS FORM ARE OBSOLET



CLUPAL CLIMATOLOGY BRANCH OF SECTAC AIM MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 1"4

WILLIAMS AFB AZ

69-70,73-80

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100 HOURS (LIST)

							VIS	BILITY STA	ATUTE AND	FS.						
CEILING								1012111 311								
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥ 2%	≥ 2	≥1%	≥1%	≥i	≥ ¥₄	≥ %	≥ 1/-	≥ 5/16	≥ ¼	≥0
NO CEILING	85.9	86.2	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 20000	87.3	87.5	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.8	87.8	87.8	87.8	87.8	87.8
≥ 18000	88.1	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.6	88.6	88.6	88.6	88.6	88.6
≥ 16000	88.7	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1
≥ 14000	91.1	91.3	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.4	91.5	91.5	91.5	91.5	91.5	91.5
≥ :2000	96.2	96.5	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7
≥ 10000	97.0	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 9000	97.0	97.3	97.5	97.5	97.6	97.6	97.6	97.6	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7
≥ 8000	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98.5	98.5	98.5	98.5	98.5
≥ 7000	97.8	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.5	98,5	98.5	98.5	98.5	98.5
≥ 6000	98.3	98.7	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3
≥ 5000	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4500	98.6	99.1	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 400C	98.6	99.1	99,5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3 <b>50</b> 0	98.6	99.1	99.5	99.5	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	130.0	100.0	100.0
≥ 2000	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ ,000	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	00.0
≥ 900	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	400.0	100.0	100.0	100.0
≥ 800	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.6	99.1	99.7	99.7	99.8	99.8	99,9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.6	99.1	99.7	99.7	99.8	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	200.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

874

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 1.4 WILLIAMS AFB AZ

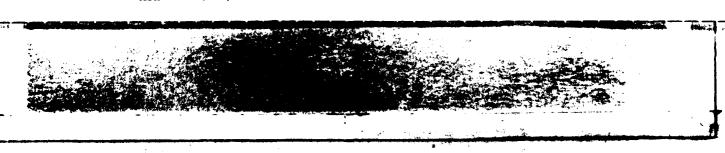
69-70,73-80

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400

CEILING							VIS	ABILITY ST	ATUTE MIL	ES-						
(FEE7)	≥10	≥ 6	≥ 5	≥ 4	≥3	≥ 2 ½	≥ 2	کا⊁	≥1%	≥1	≥ ¥4	≥ %	≥ ¥;	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	89.4	89.7		89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
	91.6	91.9	91.9		91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 18000	92.1	92.5	1	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5	92.5
	92.5	92.8	92.8		92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8	92.8
≥ 14000 ≥ 12000	93.9	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
	96.7	97.0		97.0	97.0			97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 10000 ≥ 9000	97.6	97.9	97.9	] [[ ] [	97.9	97.9	1 1 7 1	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 8000 ≥ 7000	98.5	99.0	,	1	99.0	99.0	1	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
	98.6	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 6000 ≥ 5000	99.4	99.9		1	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	99.4	99.9	99.9	<del></del>		99.9	7797	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 4500	99.4	99.9	1	1	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 4000	99.4	99.9	• • • • •	7/8/		99.9	99.9	99.9	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 3500	99.4	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 2500	99.5	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	נייסטו	100.0
≥ 2000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ '800	99.5	100.0	100.0	100.0	100.q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3
≥ 1500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0
≥ 1200	99.5	100.0	100.0	100.0	100. q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ ,000	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	99.5	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	99.5	100.0	100.0	100.9	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	99.5	100.0	100.0	100.0	100.0	100-0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200			100.0	1 -	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 100					100.0		100.0					100.0	100.0	100.0		
≥ 0	- 1		100.0													00.0

TOTAL NUMBER OF OBSERVATIONS \_



GLOSAL CLIMATOLOGY BRANCH UCAFETAC ALK WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 194

WILLIAMS AFB AZ

69-70,73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

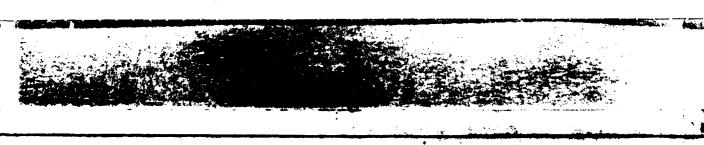
1500-1700 HOURS (L.S.T.)

CEILING							٧ıS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6		Σ.	≥3	≥2%	≥2	≥1%	≥1%	≥1	≥ ¥4	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	85.2 90.0	85.5 90.2	7.	85.5	85.5 90.2	85.5 90.2		85.5 90.2	85.5 90.2		85.5 90.4	85.5 90.4	85.5 90.4	85.5 90.4	85.5 90.4	85.5 90.4
≥ 18^00 ≥ 16000	90.1 90.6	90.9	90.% 90.9		90.4	90.4	90.4 90.9	90.4	90.4 90.9	90.5 91.0	90.5 91.0	90.5 91.0		90.5 91.0	90.5 91.0	
≥ 14000 ≥ 12000	92.4	92.6	3	92.6 96.2	92.6 96.2	92.6 96.2	92.6 96.2	92.6 96.2	92.6		92.7 96.4	92.7 96.4	92.7 96.6	92.7	92.7 96.6	96.6
≥ 9000 ≥ 9000	96.9 97.0	97.1 97.2	97.1 97.2	97.1 97.2	97.1 97.2	97.1 97.2		97.1 97.2	97.1 97.2	97.2 97.4	97.2 97.4	97.2 97.4	97.6	97.5 97.6	97.6	97.6
≥ 8000 ≥ 7000	97.4 97.9	97.6 98.1	98.1	97.6 98.1	97.6 98.1	97.6 98.1	97.6 98.1	97.6 98.1	97.6 98.1	98.2	97.7 98.2	97.7 98.2		98.6	98.6	98.6
≥ 6000 ≥ 5000	98.6 98.6	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.2	99.2	99.2	99.6	99.6	99.7	99.7
≥ 4500 ≥ 4000	98.7 98.9	99.2	99.1 99.2	99.1	99.1 99.2	99.1	99.1 99.2	99.1 99.2	99.1 99.2	99.4	99.4	99.4		99.7		100.0
≥ 3500 ≥ 3000 ≥ 2500	98.9	99.2	99.2	99.2	99.2	99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.5 99.5	99.5 99.5	99.5 99.5	99.9	99.9 99.9	100.0	100.0 100.0
≥ 2500 ≥ 2000 ≥ 1800	98.9 98.9 98.9	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2 99.2	99.2	99.2	99.2	99.5	99.5	99.5 99.5	99.9	99.9	100.0	100.0
≥ 1500	98.9 98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9	99.9	100.0	100.0
≥ 900	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9		100.0	100.0
≥ 800	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9	99.9	100.0	100.0
≥ 600	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9	99.9	100.0	100.0
≥ 400	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9	99.9	100.0	100.0
≥ 200	98.9 98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9	99.9		100.0
≥ 0	98.9	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.5	99.5	99.5	99.9	99.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_

79

USAF ETAC JUL 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLES



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 104 WILLIAMS AFB AZ

69-70,73-80

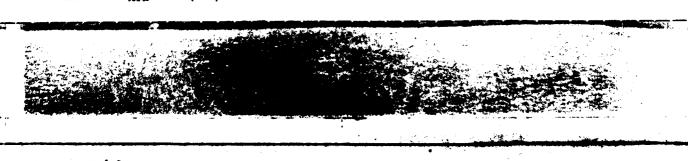
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.T.)

CEILING		·					VIS	BILITY ST	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ 4⁄3	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	80.2 85.6	80.5	80.5	80 • 7 86 • 0	80.7 86.0	80.7	80.7 86.2	80.7 86.2	80.7 86.2							
≥ 18000	85.9 85.9	86.2	86.3	86.5 86.5	86.5	86.5	86.5 86.5	86.5	86.5	86.5	86.5 86.5	86.5 86.5	86.7	86.7	86.7 86.7	86.7 86.7
≥ 14000 ≥ 12000	88.5	89.0	89.1	89.3 94.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.4	89.4	89.4	89.4 94.5
≥ 10000 ≥ 9000	94.6	95.2		95.6 95.6	95.6		95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6 95.6	95.6	95.7	95.7 95.7	95.7 95.7	95.7 95.7
≥ 8000 ≥ 7000	94.6	95.2	95.4	95.6	95.6 96.3	95.6 96.3	95.6 96.3		95.6 96.3	95.6 96.3	95.6	95.6	95.7	95.7	95.7	95.7 96.5
≥ 6000 ≥ 5000	97.7	98.5	98.6		99.2	99.2	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 4500 ≥ 4000	98.7	98.8	98.9	99.2	99.5	99.5	99.5		99.5	99.7	99.7	99.7	99.8	99.8	99.8	99.8
≥ 3500 ≥ 3000	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0		100.0	100.0
≥ 2500 ≥ 2000	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8		99.8	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	98.2 98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0		100.0	
≥ 1200 ≥ 1000	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0		100.0	100.0
≥ 900 ≥ 800	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0		100.0	Ī
≥ 700 ≥ 600	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 500 ≥ 400	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	-
≥ 300 ≥ 200	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.2	98.9	99.1	99.4	99.7	99.7	99.7	99.7	99.7	99.8	99.8	99.8	100.0	100.0		100.0

TOTAL NUMBER OF OBSERVATIONS \_\_

JUL 64 0-14-5 (OL A) PREVIOUS EDITE



CLUBAL CLIMATOLOGY BRANCH UNAFETAC AID WEATHER SERVICE/MAC USE WITH CAUTION BEE FIRST PAGE

### CEILING VERSUS VISIBILITY

2 1 4

WILLIAMS AFB AZ

69-70,73-83

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LELT.)

CEILING							vis	iBiLiTY ST.	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥ ι %	≥1%	≥1	≥ ¾	≥%	≥ <del>y.</del>	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	79.9 86.1	80.3	1 3	80 • 3 86 • 7	80.3 86.7	80.3 86.7	80.3 86.7	80.3 86.7	80.3 86.7	80.3 <b>86.7</b>	80.3 86.7	80.3	90.3 86.7	80.3 86.7	80.3 86.7	80.3 86.7
≥ 18000 ≥ 16000	86.1 86.1	86.4	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7	86.7 86.7
≥ 14000 ≥ 12000	88.0 93.9	88.3 94.2	88.7 94.5	88.7 94.5	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	89.0 94.8	94.8
≥ 10000 ≥ 9000	94.5 94.5	94.8	95.1	95.1 95.1	95.5 95.5	95.5	95.5	95.5 95.5	95.5	95.5	95.5 95.5	95.5 95.5	95.5 95.5	95.5	95.5	95.5 95.5
≥ 8000 ≥ 7000	94 · 8	95.1 95.8		95.5 96.1	96.4	95.8	95.8	96.4	95.8 96.4	96.4	96.4	95.8	96.4	96.4	96.4	95.8
≥ 6000 ≥ 5000	98.7 98.7	99.0 99.0	99.4		99.7	99.7	99.7	99.7 99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500 ≥ 4000 ≥ 3500	98.7 98.7	99.0	99.4		99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000 ≥ 2500	98.7 98.7 98.7	99.0 99.0		99.4 99.4	<del></del>	99.7	99.7 99.7	99.7 99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.0	99.4	99.4	99.7	99.7 99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0
≥ 1500	98.7	99.0	99.4	99.4		99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0		100.0	100.0
≥ 1000	98.7	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	C	100.0	100.0
≥ 800	98.7	99.0	99.4	99.4	99.7 99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7 98.7	99.0	99.4	99.4	99.7	99.7	99.7	99.7	99,7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.0		99.4	99.7	99.7	99.7	99.7						100.0		

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIP WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 1 1 4

WILLIAMS AFB AZ

69-70,73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

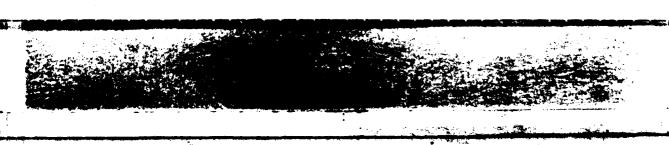
ALL HOURS (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	34.4 87.6	84.7 87.9	84.7	84.7 88.0	84.7 88.0		84.7 88.0	84.7 88.0	84.7 88.0	84.7 88.0	84.8 88.1	84.8 88.1	84.8 88.1	84.8 88.1	84.8 88.1	84 • 8 88 • 1
≥ 18000	88.1	88.4	88.4	88.5 88.8	88.5	88.5	88.5	88.5 88.8	88.5 88.8	88.5	88.5	88.5	88.5	88.6	88.6 88.9	88.6
≥ 14000 ≥ 12000	90.8	91.1	91.2	91.2	91.3	91.3 96.0	91.3	91.3	91.3	91.3 96.0	91.3 96.0	91.3		91.4	91.4	91.4 96.2
≥ 10000 ≥ 9000	96.6 96.6	97.0	97.01	97.1	97.1	97.1	97.1	97.1 97.2	97.1 97.2	97.2	97.2	97.2				
≥ 8000 ≥ 7000	97.0	97.9	97.6	97.6	97.6	97.6	97.6 98.0		97.6 98.0		97.7 98.1	97.7			97.8	
≥ 6000 ≥ 5000	98.6	99.1	99.2	99.3	99.4	99.4	99.4					99.5	99.6	7 11.1		
≥ 4500 ≥ 4000	98.8	99.3	99.4	99.4	99.5	99.5	99.5	99.5		99.6	99.6	99.6	99.8	99.8	99.8	99.8
≥ 3500 ≥ 3000	98.8	99.3	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.9		99.9
≥ 2500 ≥ 2000	98.8	99.4	99.5	99.6	99.6	99.6	99.7	99.7 99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	
≥ 1800 ≥ 1500	98.8	99.4	99.5	99.6	99.6	99.6	99.7 99.7	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 1200 ≥ 1000	98.8	99.4	99.5	99.6	99.6	99.6	99.7 99.7	99.7 99.7	99.7	99.8		99.8	99.9	100.0	100.0	100.0
≥ 900 ≥ 800	98.8 98.8	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9		100.0	
≥ 700 ≥ 600	98.8	99.4	99.5	99.6	99.6	99.6	99.7 99.7	99.7	99.7	99.8	99.8	99.8	99.9		100.0	
≥ 500 ≥ 400	98.8	99.4	99.5	99.6		99.6	99.7	99.7	99.7	99.8	99.8	99.8			100.0	
≥ 300 ≥ 200	98.8	99.4	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0
≥ 100 ≥ 0	98.8	99.4	99.5	99.6	99.6		99.7	99.7	99.7	99.8	99.8	99.8	99.9	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ....

4469

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ROITIONS OF THIS FORM ARE OSSOLET



SUCHAL CLIMATOLOGY BRANCH GENETAC A. - REATHER SERVICE/MAC

USE WITH CAUTION BEE FIRST PAGE

## CEILING VERSUS VISIBILITY

. 4 WILLIAMS AFB AZ

69-70,73-80

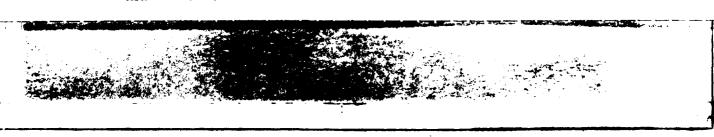
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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

<u> 300-0500</u>

CEILING				•			VIS	BILLTY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥21/5	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ ⊬:	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	38.9 90.6	89.4 91.1	89.4 91.1	89.4 91.1	89.4	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4 91.1	89.4
≥ 18000 ≥ 16000	90.6 91.1	91.1	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5	91.1 91.5
≥ 14000 ≥ :2000	92.3 96.2	92.8 96.6	92.8 96.6	96.6	96.6	96.6	1	92.8 96.6	92.8 96.6		92•8 96•6	92.8	92.8 96.6	92.8 96.6	92.8 96.6	
≥ 10000 ≥ 9000	97.0 97.0	97.4 97.4	97.4 97.4	97.4		97.4	97.4	97.4		97.4	97.4	97.4 97.4	97.4	97.4	97.4	97.4
≥ 8000 ≥ 7000	97.9 98.7	98.3	98.3	98 • 3 99 • 1	98.3	98.3	99.1	99.1	98.3	99.1	98.3	98.3	98.3 99.1	98.3	98.3	99.1
≥ 6000 ≥ 5000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	138.5	100.0
≥ 4500 ≥ 4000 ≥ 3500	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000 ≥ 1800	99.6	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100-0
≥ 1500	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ ,000 ≥ 900	99.6	130.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 800 ≥ 700	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600 ≥ 500			100.0					-			100.0				100.0	
≥ 400 ≥ 300							<del></del>	<del></del>			100.0		-			
≥ 100 ≥ 100	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.6	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_



GLUFAL CLIMATOLOGY BRANCH ATT WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 1 4 WILLIAMS AFB AZ

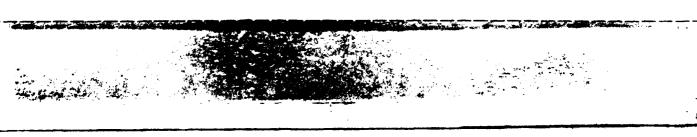
69-70,7<u>3-8</u>

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CERING							VIS	BILLTY ST	ATUTE MILE	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥ 2 ½	≥ 2	≥+%	≥1%	≥1	2 %	≥ %	≥ 4:	≥ 5/16	≥ '4	≥0
NO CEILING	35.7	86.	86.2	86.5	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6	86.6
≥ 20000	67.9	88.3	88.6		88.9			88.9	88.9			88.9	88.9	88.9	88.9	58.9
≥ 18000	ë8∙2	88.6	88.8	89.1	89.2			89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ .9000	58.2	88.6	88.8	89.1	89.2				89.3	89.3	89.3	89.3	89.3	89.3	89.3	89.3
≥ 14000	89.5	89.9	90.2	90.5	90.6		90.6	90.8		90.8	90.8	90.8	90.8	90.8	90.8	90.8
≥ 12000	93.5	93.9	94.3	94.5	94.7	94.7	94.7	94.8	94.8	94.8	94.8	94.8	_	94.8	94.8	
≥ 10000	94.7	95.1	95.6	95.8	96•7	96.0	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 9000	94.9	95.3	95.8	96.1	96.2	96.2		96.4		96.4	96.4	96.4		96.4	96.4	96.4
≥ 8000	95.4	95.8	96.4	96.6	96.7	96.7	96.7	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 7000	96.2	96.6	97.1	97.4	97.5	97.5	97.5	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	
≥ 6000 ≥ 5000	97.4	97.8	98.3	98.6	98.7	98.7	98.7	98 • 8	98.8	98.8	98.8	98.8	59.8	98.8	98.8	98.5
	97.9	98.3	98.8	99.1	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	
≥ 4500	98.0	98.4	99.0	99.3	99.5	99.5	99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 4000	98.4	98.6	99.1	99.5	99.6	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7		
≥ 3 <b>50</b> 0	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 3000	78.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
⊴ 2000	78.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	120.0	1მმ.ი	<u>100.0</u>
≥ 1800	98.3	93.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	183.5
≥ 1500	98.3	93.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	<u>198.8</u>
≥ 1200	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.1	100.0
≥ ,000	48.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	160.0	<u>100.0</u>
≥ 900	78.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9		100.0					
≥ 700	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100 d	100.0	100.0	100.0	100.0
≥ 500	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.3	98.7	99.2		99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	130.0
≥ 200	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	<u> 100.0</u>	100.0	100.0	130.0
≥ 100	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.3	98.7	99.2	99.6	99.7	99.7	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_76.9

JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM



CLUBAL CLIMATOLOGY BRANCH L AFETAC ALL MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2:4

WILLIAMS AFB AZ

69-70,73-80

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

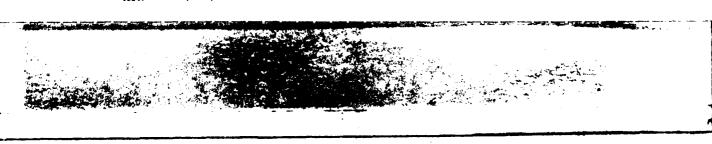
1900-1100 Hours (L.s.t.)

CEIUNG							vis	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11/4	≥1	≥ %	≥ %	≥ %:	≥ 5/16	≥ ¼	<b>≵</b> 0
NO CEILING ≥ 20000	55.1 87.5	85.5 87.8	85.6 87.9			ε5.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.8 88.1	85.6 88.1
≥ 18000 ≥ 16000	37.6 57.9	87.9 88.2	88.0 88.4		88.2 88.6	88.2 88.6	88 • 2 88 • 6	88 • 2 88 • 6			88.2 88.6	88.2 88.6		88.6	88.2 88.6	88.2 88.6
≥ 14000 ≥ 12000	88.9 92.7	89.4 93.1	89.5 93.3	93.5	93.7	89.7 93.7	89.7 93.7	89.7 93.7	89.7 93.7	89.7 93.7	89.7 93.7	89.7 93.7	89.7 93.7	93.7	89.7 93.7	89.7 93.7
≥ 10000	94.3	94.8	95.0 95.0	95.2	95.6	95.6 95.6	95.6 95.6		95.6	95.6	95.6 95.6	95.6 95.6	95.6	95.6	95.6 95.6	95.6
≥ 8000 ≥ 7000 ≥ 6000	94.8 95.5	95.3 96.0 97.6	95.6 96.2 97.8	95 • 8 96 • 5 98 • 0	96.2 96.9	96.2 96.9 98.4	96.2 96.9 98.4	96.2 96.9 98.4	96.9 96.9	96.9	96.2 96.9 98.4	96.2 96.9 98.4	96.9	96.2 96.9 98.4	96.2 96.9 98.4	96.2 96.9 98.4
≥ 5000	98.1 98.	98.6	98.8	99.0	99.4	99.4	99.4		99.4	99.4	99.4	99.4		99.4	99.4 99.4	99.4
≥ 4000 ≥ 3500	98 · 1	98.7 98.7	99.	99.2	99.7	99.7	99.7	99.7	99.7	94		99.1	79.7	9 <b>9.7</b> 9 <b>9.</b> 7	99.7	99.7
≥ 3000 ≥ 2500	98 • 1 98 • 2	98.7	99.0	99.2	99.7	99.7	99.7			99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 2000	98.2 98.2	98.9	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0		100.0	
≥ 1200	98 • 2 98 • 2	98.9 98.9	99.2	99.4	99.9	99.9					100.0 100.0					
≥ 900	98.2	98.9	99.2	99.4	99.9	99.9					100.0 100.0				100.0	
≥ 800 ≥ 700	98.2 98.2	98.9 98.9	99.2	99.4	99.9	99.9	99.9	100.0	100.0		100.0	100.0		7 7 7 7		100.C
≥ 600 ≥ 500 ≥ 400	98.2	98.9	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0		100.0
≥ 300 ≥ 200	98.2	98.9	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	98.2 98.2 98.2	98.9	99.2	99.4	99.9	99.9	99.9	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
	78.4	98.9	77.4	77.4	99.9	99.9	77.9	100.0	100.0	100.0	100.0	100.0	TOO.O	100.0	IU Je U	T 11 C C

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

90;

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



EL BAL CLIMATOLOGY BRANCH BAFETAC AIS WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 . 4

WILLIAMS AFB AZ

69-70,73-80

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1250-1470

CEILING							VIS	BILITY ST.	ATUTE MILI	ES		-				
(FEET)	≥ 10	≥6	≥ 5	≥4	≥ 3	≥21⁄:	≥2	≥1%	≥11/4	≥1	≥ ¼	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	04.7	85.3	85.3	85.3	85.3	85.3		85.3		85.3	85.3	85.3	85.3	1	85.3	85.3
≥ 18000	89.6	93.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90°•1
≥ 16000	89.7	90.3	90.3	90.3	90.3	90.3	90.3	1	90.3	90.3		90.3	90.3	90.3		
≥ 14000	90.1	91.7	90.7		90.7				90.7			90.7	90.7	90.7	90.7	
≥ 12000	93.6	94.1	94.1	91.7 94.1	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 10000	95.7	96.3		96.3		94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 9000	95.8	96.5	96.3		96.3 96.5	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 8000	96.0	97.0	97.0	97.2					96.5 97.2	96.5 97.2		96.5 97.2	96.5 97.2	96.5	96.5	
≥ 7000	96.5	97.5	97.6	97.8					-		1	97.8		1 1 7		97.2
≥ 6000	97.8	98.8	98.9	99.1	99.1	99.1	99.1		99.1	99.1	99.1	99.1	97.8	99.1	99.1	99.1
≥ 5000	98.1	99.1	99.2	99.4						99.4		99.4	99.4	1	99.4	99.4
≥ 4500	98.1	99.1	99.2	99.4	99.4					99.4		99.4	99.4		99.4	99.4
≥ 400C	98.3	99.3	99.4	99.7	99.7	99.7		99.7			1	99.7	99.7	99.7	99.7	99.7
≥ 3500	98.4	99.4	99.6	99.8	99.8					99.8		99.8	99.8			99.8
≥ 3000	98.4	99.4	99.6									1 1 1	99.8	99.8	99.8	
≥ 2500	98.7	99.7				100.d			100.0					100.0		
≥ 2000	98.7	99.7	- 1								100.0	_				
≥ 1800	98.7	99.7									100.0					
≥ 1500	98.7	99.7	1								100.0			100.0		
≥ 1200	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0				
≥ ,000	98.7	99,7	99.8	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	98.7	99.7	99.8								100.0					
≥ 800	98.7	99.7	99.8	100.d	100.0	100.0	100.0	100.d	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.7	99.8	100.0	100.0	100 . q	100.0	100.q	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.7									100.0					
≥ 400	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.7		100.0		100.0					100.0					
≥ 200	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100. a	100.0	100.0	100.0	100.0
≥ 100	98.7	99.7	99.8	100.0	100.0	100.0	100.0	100.0	100.q	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.7	99.8	100.d	100.0	100.0	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_903

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



SELBAL CLIMATOLOGY BRANCH SECULATION OF A SERVICE / MAC

### CEILING VERSUS VISIBILITY

2 1 4

WILLIAMS AFB AZ

69-70,73-80

OCT

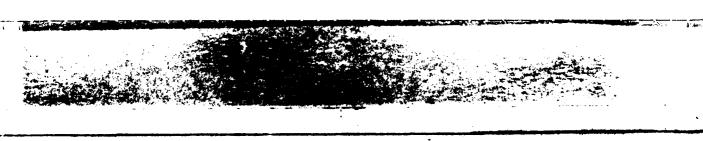
# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1530-1786 HOURS (L.S.T.)

CEILING	1						V15	BILITY ST	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ ¥:	≥ 5/16	≥ ¼	≥0
NO CEIUNG . ≥ 20000	85.6 91.6	85.6 91.6		85.6 91.6	85.7 91.7	85.7 91.7	85.7 91.7	85.7 91.7								
≥ 18000 ≥ 16000	91.6 91.8	91.6		91.6	91.7 92.0	91.7 92.0	91.7 92.0	91.7 92.0								
≥ 14000 ≥ 12000	92.4	92.4		92.4 94.9	92.6 95.0		92•6 95•0	92.6 95.0								
≥ 10000 ≥ 9000	96.8 96.8	97.1 97.1	97.1 97.1	97.1 97.1	97.2 97.2	97.2 97.2	97.2 97.2	97.2 97.2								
≥ 8000 ≥ 7000	97.2 97.9	97.7 98.4		97.7	97.8 98.5	97.8 98.5		97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.5	97.8 98.7	97.8 98.7	97.8 98.7	97.8 98.7
≥ 6000 ≥ 5000	98.4	99.6		99.0 99.6	99.3	99.3	99.3	99.3	99.3		99.3		99.4 100.0			99.4
≥ 4500 ≥ 4000	99.1 99.1	99.6	99.6	99.6	99.9	99.9		99.9	99.9	99.9	99.9	99.9	100.0	100.0		100.0
≥ 3500	99.0	99.6	99.6	99.6	99.9	99.9	99.9			99.9	99.9	99.9	100.0 100.0	100.0		100.0
≥ 2500 ≥ 2000 ≥ 1800	99.0 99.0	99.6	99.6	99.6	99.9	99.9 99.9	99.9 99.9	99.9 99.9	99.9	99.9	99.9 99.9	99.9	100.0	100.0 100.0	100.0	100.0
≥ 1500	99.	99.6 99.6	99.6		99.9	99.9	99.9		99.9	99.9	99.9	99.9	100.0	100.0	100.0	00.C
2 ,000	99.0	99.6	99.6	99.6	99.9	99.9	99.9		99.9	99.9	99.9	99.9	100.0	100.0		00.0
≥ 800	99.0	99.6	99.6	99.6	99.9	99.9	99.9		99.9	99.9	99.9	99.9	100.0	100.0		100.0
≥ 500	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 400	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 200	99.0	99.6	99.6	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	- 7	100.0		
≥ 0	99.1	99.6		1 1 7 1		99.9	99.9	99.9	99.9	99.9	99.9	99,9	100.0	100.0	100.0	100.5

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLE



GL 38AL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 114 AILLIAMS AFB AZ

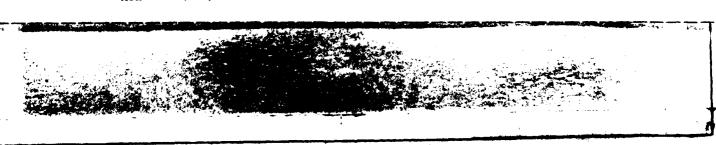
69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1807-2505 Hours (Lav.)

CEILING		<del>-</del>					viS	BILITY ST	ATUTE MIL	ES-						
(FEE?)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2½	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	58.2 93.1	88.4 93.2	88.4 93.2	88.4 93.2	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4	88.5 93.4
≥ 18000 ≥ 16000	93.1 93.1	93.2	93.2	93.2 93.2	93.4 93.4	93.4	93.4 93.4	93.4	93.4 93.4	93.4 93.4	93.4 93.4	93.4	93.4	93.4 93.4	93.4 93.4	93.4
≥ 14000 ≥ 12000	94.7	94.1	94.1 96.0	94.1 96.0	94.3 96.2	94.3	94.3 96.2	94.3 96.2	94.3 96.2	94.3	94.3 96.2	94.3 96.2	94.3 96.2	94.3	94.3	94.3
≥ 10000 ≥ 9000	97.2 97.2	97.4	97.4	97.4 97.8	97.5 97.9		97.5	97.5 97.9		97.5 97.9	1 1 1	97.5 97.9		97.5 97.9	97.5 97.9	
≥ 8000 ≥ 7000	97.6 98.1	98.4	98.4 99.0	98.4 99.0	98.5 99.1	98.5 99.1	99.1	98.5 99.1	98.5 99.1	98.5 99.1	99.1	98.5 99.1	99.1	98.5 99.1	98.5 99.1	98.5 99.1
≥ 6000 ≥ 5000	98.4 99.0	99.3	99.9	99.3	99.4 100.0	99.4 100.0	99.4 100.0	99.4 100.0	99.4 100.0	99.4 100.0	99.4 100.0	99.4	99.4 100.0	99.4 100.0	99.4 100.0	99.4 100.0
≥ 4500 ≥ 4000	9 <b>9.</b> 9 <b>9.</b>	99.9	99.9	99.9	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0
≥ 3500 ≥ 3000	99.0	99.9	99.9	99.9	100.0	100.0		100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0
≥ 2500 ≥ 2000	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0
≥ 1800 ≥ 1500	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0		100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	99.	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C	100.3
≥ 900 ≥ 800	99.0	99.9	99.9	99.9	100.0	100.0		100.0	100.0		100.0	100.0 100.0			100.0	160.C
≥ 700 ≥ 600	99.0		99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0		100.0
≥ 500 ≥ 400 ≥ 300	99.0	T * * * * *	99.9	99.9	100.0		100.0	100.0	100.0 100.0	100.0	100.0	100.0		100.0	100.0	100.0
≥ 200	99.0	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.0	100.0
≥ 100	99.	99.9	99.9						100.0							100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



CLUBAL CLIMATOLOGY BRANCH TAFETAC ATT WEATHER SERVICE/MAC

USE WITH CAUTION

#### CEILING VERSUS VISIBILITY

2 114

wILLIAMS AFB AZ

69-70,73-80

OCT

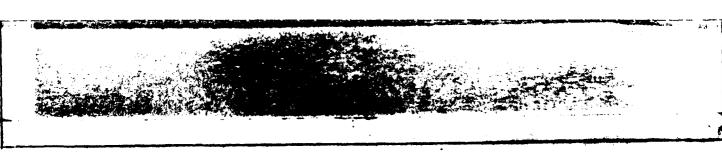
# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEIUNG			<del></del>				VIS	BILLTY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	91.7	91.7	91.7	91.7 94.2	91.7	91.7	91.7	91.7	91.7 94.2	91.7 94.2	91.7	91.7	91.7	91.7 94.2	91.7 94.2	91.7 94.2
≥ 18000 ≥ 16000	94.2	94.2	94.2	94.2 94.2	94.2 94.2	94.2 94.2	94.2 94.2	94.2 94.2	94.2 94.2	94.2 94.2	94.2	94.2	94.2	94.2 94.2	94.2	94.2
≥ 14000 ≥ 12000	95.5	95.5 98.1	95.5 98.1	95.5 98.1	98.1	95.5 98.1	98.1	95.5 98.1	95.5 98.1	95.5 98.1	95.5 98.1	95.5 98.1	95.5 98.1	95.5 98.1	95.5 98.1	95.5 98.1
≥ 10000 ≥ 9000	98.4 98.4	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4 98.7	98.4	98.4	98.4	98.4 98.7	98.4 98.7	98.4
≥ 8000 ≥ 7000	99.0	99.4	99.4	99.4	99.4	99.4	99.4		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 6000 ≥ 5000 ≥ 4500	99.7		99.7 100.0		99.7 100.:		99.7 100.0	100.0		100.0			99.7		99.7 105.0	- V - V
≥ 4000 ≥ 3500	99.7 99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	106.C
≥ 1500		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800 ≥ 700	99.7		7 2 2 2 2								100.0 100.0					
≥ 600	99.7										100.0					-
≥ 400 ≥ 300	99.7										100.0 100.0					100.0
≥ 200	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	99.7	100.0	100.0	100.0	100.0	100.0	700.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLE



GLUBAL CLIMATOLOGY BRANCH USAFETAC ALE WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 304

\*ILLIAMS AFB AZ

69-70,73-8C

001

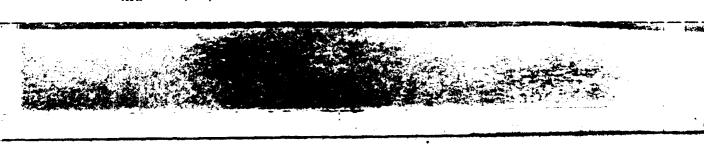
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING							VIS	ABILITY ST	ATUTE MIL	.E5						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ <del>V.</del>	≥ 5/16	≥ ¼	≥c
NO CEILING	86.3	86.6	86.6	86.7	86.8	86.8	86.8	86.8	86.8			86.8	86.8	86.8	86.8	86.8
≥ 20000	90.1	90.4	90.5						90.6			90.6	90.6	90.6	90.6	
≥ 18000	90.2	90.5	90.6	90.6	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7	90.7
≥ 16000	90.4	90.7	90.8	90.8	90.9	90.9			91.0			91.C	91.0	91.0	91.0	
≥ 14000	91.4	91.7	91.8	91.9	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 12000	94.4	94.7	94.8	94.9	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	
≥ 10000	95.9	96.3	96.4	96.5	96.6	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 9000	96.0	96.5	96.6	96.7	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 8000	96.4	97.d	97.2	97.3	97.4	97.4	97.4	97.5	97.5	,	97.5	97.5	97.5	97.5	97.5	97.5
≥ 7000	97.0	97.6	97.8	97.9	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 6000	98.0	98.6	98.8	98.9	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 5000	98.5	99.2	99.3	99.5	99.6	99.6	99.6	99.7	99.7		99.7	99.7	99.7	99.7		99.7
≥ 4500	98.6	99.2	99.4	99.5	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 4000	98.6	99.3	99.5		99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8
≥ 3500	98.7	99.3	99.5	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	79.9	99.9
≥ 3000	98.7	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 2500	98.7	99.4	99.6	99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 2000	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.C	100.0	100.0	100.0	100.0	100.0
≥ 1800	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0
≥ 1200	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ (000	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ <b>90</b> 0	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	<u> 100. d</u>	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	98.7	99.4	99.6	99.7	99.9	99,9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.q	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	98.7	99.4	99.6	99.7	99.9	99.9	99.9	100.d	100.d	100.0	100.d	100.d	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

SAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLET



GERPAL CLIMATOLOGY BRANCH GERFETAC ALS WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

#### CEILING VERSUS VISIBILITY

2 : 4

WILLIAMS AFB AZ

69-70,73-80

NOV

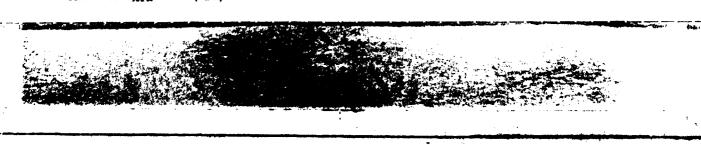
# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	85.8	86.7	89.	89.0	89.0	89.0	89.0		89.0	89.0		89.0	1 7 7 2		89.0	89.0
	89.4	97.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 18000	89.4	90.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 16000	89.4	90.4	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7	92.7
≥ 14000	89.4	90.4	92.7	92.7	92.7	92.7	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ :2000	91.7	92.7	95.0	95.0	95.0	95.0	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 10000	92.7	93.6	95.9	95.9	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 9000	92.7	93.6	95.9	95.9	95.9	95.9	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 8000	93.6	94.5	96.8	96.8	96.8	96.8	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 7000	94.0	95.Q	97.2	97.2	97.2	97.2	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 6000	94.5	95.4	97.7	97.7	97.7	97.7	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 5000	95.9	96.8	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 4500	95.9	96.8	99.1	99.1	99.1	99.1	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 4000	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	0.001
≥ 2500	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 1800	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	400.0	100.0	100.0	100.0
≥ 900	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.C
≥ 600	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	96.3	97.2	99.5	99.5	99.5	99.5	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	96.1	97.2	99.5	99.5	99.5	99.5		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	96.3	97.2	99.5	99.5	99.5			100.0		100.0	100.0	100.0	00.0			00.0
≥ 100	96.3	97.2	99.5	99.5				100.0				100.0	100.0	100.0		
2 0	96.1	97.2	99.5	99.5	99.5						100.0					
	,,,,,	4														

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC TORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIG WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

2 1:14

WILLIAMS AFB AZ

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

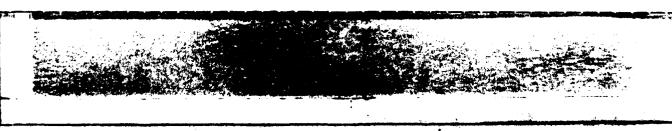
0607-0800 HOURS (LE.T.)

CEILING							VIS	BILITY ST	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ′₄	≥c
NO CEIUNG ≥ 20000	83.2	84.8		85.6	85.8	85.8		85.9	86.0		86.2	86.2	86.2	86.2		86.3
≥ 18000	86.6	88.2	89.0	89.0 89.7	89.2 89.9	89.2 89.9		89.3 90.0	7,17	90.3	89.6 90.3	89.6 90.3	89.6 90.3			89.7 90.4
≥ 16000	87.4	89.0	~~~	89.9	90.0			90.1	90.3	90.4	90.4	90.4		90.4		90.5
≥ 14000 ≥ 12000	87.8	89.5 91.4	90.3	90.3	90.4	90.4	90.4	90.5		90.8	90.8	90.8	90.8	90.8 92.9		91.1
≥ 10000	91.5	93.2		94.0	94.2	94.2	94.2	94.4	94.5	94.7	94.7	94.7	94.7	94.7	94.9	94.9
≥ 9000	91.6	93.3	94.1	94.1	94.4	94.4	94.4	94.5		94.8	94.8	94.8	94.8	94.8		95.1
≥ 8000 ≥ 7000	92.2	93.8	94.7	94.7	94.9	94.9	94.9	95.1			95.3 96.2	95.3				95.6
≥ 6000	94.4	96.3	97.1	97.1	97.4	97.4	97.4	97.5		97.8	97.8		97.8	97.8		98.1
≥ 5000	95.5	97.4	98.2	98.2	98.5		98.5	98.6			98.9		98.9	98.9		
≥ 4500 ≥ 4000	95.5	97.4	98.2 98.6	98.2 98.8	98.5	98.5 99.2	98.5	98.6 99.3	98.8		98.9	98.9	98.9	98.9		99.2
≥ 3500	95.9	97.8		98.8	99.2	99.2	99.2	99.3	99.5	99.6	99.6		99.6	99.6		
≥ 3000	95.9	97.8			99.2			99.3		99.6	99.6			99.6		
≥ 2500 ≥ 2000	95.9	97.8	- "1	98 • 8 98 • 8	99.2	99.2	99.2	99.3	99.5	99.6	99.6	99.6	99.6	99.6		1
≥ 1800	95.9	97.8	98.6	98.8	99.2	99.2		99.3	99.5	99.6	99.6			99.6		
≥ 1500	95.9	97.8	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7			100.0
≥ 1200	95.9 9 <b>5.</b> 9	97.8	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0	100.0 100.0
≥ 900	95.9	97.6	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0	
≥ 800 > 700	95.9	97.4	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0	
≥ 700 ≥ 600	95.9	97.5	98.6	98.8 98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0 100.0	
≥ 500	95.9	97.8	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0	
≥ 400 ≥ 300	95.9	97.8	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0	
≥ 200	95.9	97.4	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7		100.0	
> 100 > 0	95.9	97.6	98.6	98.8	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0
≥ 0	95.9	97.8	98.6	98.6	99.2	99.2	99.3	99.5	99.6	99.7	99.7	99.7	99.7	99.7	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

733

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



CLIBAL CLIMATOLOGY BRANCH AFETAC ASSENTER SERVICE/MAC

## CEILING VERSUS VISIBILITY

2 , 4

WILLIAMS AFB AZ

69-70,73-85

NOV

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

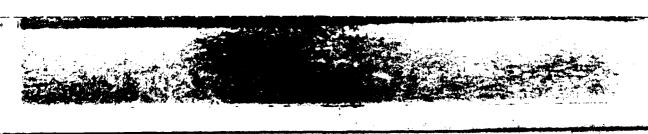
3980-1100 HOURS (LS.Y.)

CEILING		-					٧١S	BILITY ST.	ATJTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	<b>≥</b> 3	≥2%	≥ 2	5≀%	≥1%	≥1	≥ 1⁄4	≥%	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING	79.3	81.2	82.3	8: • 3	82.5	52.5	82.5	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 20000	83.0	84.8	85.6	85.9	86.1	86.1	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 18000	83.7	85.5	86.3	86.6	86.8	86.8	86.8	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9	86.9
≥ 16000	84.0	85.9	86.7	86.9	87.2	87.2	87.2	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3	87.3
≥ 14000	85.8	87.6	88.4	88.7	88.9	88.9	88.9	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0	89.0
≥ 12000	87.3	89.1	90.0	90.2	90.4	90.4	90.4	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5	90.5
≥ 10000	89.4	91.2	92.1	92.3	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 9000	90.4	92.3	93.1	93.3	93.6	93.6	93.6	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 8000	91.0	93.1	93.9	94.2	94.4	94.4	94.4	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5	94.5
≥ 7000	91.8	93.9		95.0	95.2	95.2	95.2	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3	95.3
≥ 6000	93.9	96.	96.8	97.1	97.3	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 5000	94.6	96.7	97.5	97.8	98.0	98.0	98.0	98.1	98.1	96.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 4500	34.6	96.7	97.5	97.8	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
£ 400C	95.	97.3	98.1	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
≥ 3500	95.0	97.3	98.1	98.4	98.6	98.6	98.6	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2 3000	95.2	97.7	98.6	98.8	99.2	99.2	99.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2500	y5.2	97.7	98.6	98.8	99.2	99.2	99.2	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
2000	95.2	97.7	98.6	98.8	99.2	99.2	99.4	00.5		99.5	99.5	90.5	99.5	00.5	99.5	99.5
2 80€	95	97.8	98.7	98.9	99.3	99.3	99.5	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
500	y5.3	97.8	98.7	99.1	99.	99.4	99.9			00.0	00.0		00.0	99.9	99.9	99.9
200 ج	95.3	97.6	98.7	99.1	99.4	99.	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 900	95.1	97.	90 7	99.1	90.		99.8	99.9	77.7	77.7		77.7	00 0	99.9	99.9	99.9
± 90€	95.3	97.	7011	99.1	99.4	99.4	99.0	99.9	7797	7777	7797	7797	99.9	99.9	99.9	99.9
2 BOG	95.1	97.6	7001	77.4	00.4	99		77.7	77.7	77.7	77.7	90 0	99.5	00.0		99.9
≥ 700	95.1	97.6	700	99.2	99.5	99.9	77.	100.0	100.0	100.0	100.0	100.0	100.0	77.7	99.9	
≥ 600	95.1	97.	7:-3	77.4	77.3	99.9	77.7	100.0					100.0			
			75.9	77.4	77.3		77.3	* * * *	100.0		100.0	100.0	<u> </u>	700.0	100.0	
≥ 500 ≥ 400	95.3	97.5	75.9	99.2	??.3	99.5	77.7	100.0	100.9	100.0				100.0		100.0
	75.1	97.4	75.9	77.4	77,3	77.3	77.3	100.0	<u> </u>	100.4	100.0	100.0	100.0			100.0
≥ 300 ≥ 200	95.1	97.	75.9	99.4	77.3	99.9	77.7	100.0	100.9		100.0	100.0				100.0
	95.1	97.	70.4	99.2	99.9	79.5	77.7	700.0	100. q	100.0	100.0	100.0				100.0
> 100	95.1	97.	78.6	99.2	99.5	99.9	77.9		700 · a							
2 0	95.1	97.5	78.8	99.2	99.5	99.5	99.9	100.0	100. a	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

85

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS ESTIONS OF THIS FORM ARE SECOLET



GEOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

2 1 4 WILLIAMS AFB AZ

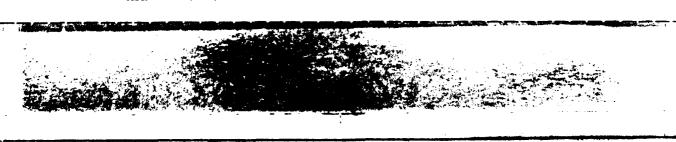
69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1280-1405 Hours (LET.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ ;0	≥6	≥ 5	≥4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬	≥ 5/16	≥ 1/4	≥0
NO CEILING ≥ 20000	80.0 34.3	82.1 86.4	83.0		83.9 88.2	83.9	83.9 88.2	83.9 88.2	83.9	83.9 88.2	83.9 88.2	83.9 88.2		83.9 88.2	83.9 88.2	83.9
≥ 18000 ≥ 16000	84.7	86.8	87.8	88.4	88.7	88.7	88.7 89.2	88.7	88.7 89.2	88.7 89.2	88.7 89.2	88.7	88.7 89.2	88.7	88.7 89.2	68. 89.
≥ 14000 ≥ 12000	86.1 87.3	88.2 89.5	89.2 90.5	89.8 91.0	93.1 91.4	90.1 91.4	90.1 91.4	90.1 91.4	90.1 91.4	90.1 91.4	90 • 1 91 • 4	90.1 91.4		90.1 91.4	90 • 1 91 • 4	
≥ 10000 ≥ 9000	88.8 89.4	91.0 91.6	92.0 92.5	92.5 93.1	92.9 93.5	92 <b>.9</b> 93 <b>.</b> 5	92.9 93.5	92.9 93.5	92.9 93.5		92.9 93.5	92.9 93.5			92.9 93.5	
≥ 8000 ≥ 7000	90.2	92.4 93.6	93.4	93.9 95.1	94.3	94.3	94.3 95.5	94.3 95.5	94.3 95.5	95.5	94.3 95.5		94.3 95.5	94.3 95.5	94.3 95.5	95.
≥ 6000 ≥ 5000	92.8 9 <b>3.</b> 5	95.0 95.7	95.9 96.6	97.2	96.9 97.6		97.6			97.6			97.6	97.6	97.6	97.
≥ 4500 ≥ 4000	93.5 93.8		96.6 97.6	98.1	97.6 98.5		98.5	97.6 98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.
≥ 3500 ≥ 3000	93.9 94.9	97.7	97.7		98.6	98.6	99.7	98.6	99.7	99.7			99.7	99.7		98.
≥ 2500 ≥ 2000	94.9	97.8		99.3	99.7	99.7	99.7	99.7								
≥ 1800 ≥ 1500	95.0 95.0	97.8		99.3	99.8	99.8	99.8	99.8	99.8	99.8		99.8	99.8	99.8	99.8	99.
≥ 1200 ≥ 1000	95.0 95.0	97.8				100.0	100.0	100.0		100.0			100.0	100.0	100.0	106.
≥ 900 ≥ 800	95 • 1 95 • 1	97.9	98.8	99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.
≥ 700 ≥ 600	95.0		98.8	09.4	100.0	100.0	100.0	100.0	100.0		100.0		100.0		100.0	100.
≥ 500 ≥ 400	95.0 95.0	97.9	98.8	99.4	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0	100.
≥ 300 ≥ 200 > 100	95.0 95.0			99.4	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.
≥ 100 ≥ 0	95	97.9					100.0							1		

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



ULIGAL CLIMATOLOGY BRANCH SAFETAC Alm Afather Service/MAC

## CEILING VERSUS VISIBILITY

2 . 4

WILLIAMS AFS AZ

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY ST	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11/4	≥1	≥ ¼	≥%	≥ ¥:	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	80.1 8 <b>5.1</b>	82.4 87.4	82.9 87.9	83•3 88•3	83.4 88.4	83.4	83.8 88.8	83.8	83.8 88.8	83.8	83.8	83.9 88.9		83.9 88.9		
≥ 18000 ≥ 16000	85.5 85.7	87.8 88.0	88.3 88.5	88.7	88.8 89.0	88.8	89.2 89.4	89.2	89.2 89.4	89.2 89.4	89.2 89.4	89.3 89.6		89.3 89.6	89.3 89.6	89.3 89.6
≥ 14000 ≥ 12000	97.6 89.6	89.9 92.0	97.4	90.8 92.9	91.0 93.0	91.0	91.3 93.4	91.3 93.4	91.3 93.4	91.3 93.4	91.3 93.4	91.5 93.5				91.5 93.5
≥ 10000 ≥ 9000	90.2 90.3	92.6 92.7	93.1 93.2	93.5 93.6	93.6 93.8	93.6 93.8	94.0 94.1	94.0 94.1	94.0 94.1	94.0 94.1	94.0 94.1	94.1 94.3	94.1 94.3	94.1 94.3	94.1 94.3	94.1 94.3
≥ 8000 ≥ 7000	90.7 91.6	93.1 94.0	93.6 94.5	94.0 94.9	94 • 1 95 • 0	94.1 95.0	94.5 95.4	94.5 95.4	94.5 95.4	94.5 95.4	94.5 95.4	94.6	94.6 95.5	94.6 95.5	95.5	94.6 95.5
≥ 6000 ≥ 5000	92.7 93.8	95.4 96.4	95.9 96.9	96.3 97.3	96.4 97.5	96.4	' ' '	96.8 97.8		96.8 97.8	96.8 97.8	96.9 98.0			98.0	98.0
≥ 4500 ≥ 4000	93.9 94.5	96.6 97.5	97.1 98.0	97.5 98.3	97.6 98.5	97.6 98.5		98.0 98.9	98.0 98.9	98.9	98.0 98.9	99.0	99.0		99.3	99.5
≥ 3500 ≥ 3000	94.5 95.2	97.5 98.2	98.7 98.7	98.3 99.1	98.5 99.2	98.5 99.2	99.6	98.9	98.9 99.6	99.6	98.9 99.6	99.0 99.7	99.7	99.7	99.7	99.7
2 2500 2 2000	95.2 95.2	98.2 98.3	98.7		99.2	99.2	99.7	99.6	99.6	99.6	99.6	99.9	99.9	99.7		
≥ 1800 ≥ 1500	95.2 95.2	98.3	98.9	99.2 99.4	99.4	99.4		99.7	99.7		99.7		100.0	99.9	100.0	100.0
≥ 1200 ≥ 1000	95.2 95.2	98.5 98.5	99.0	99.4	99.5	99.5			99.9		99.9	100.0	100.0	****	100.0	100.0
≥ 900 ≥ 800	95.2 95.2	98.5 98.5	99.0	99.4	99.5	99.5	99.9	99.9	99.9		99,9	100.0	100.0	100.0	100.0	100.0
≥ 700 ≥ 600	95.2	98.5	99.0		99.5	99.5		99.9	99.9		99,9	100.0	100.0	100.0	100.0	100.0
≥ 500 ≥ 400 ≥ 300	95.2 95.2	98.5 98.5	99.0 99.0	99.4	99.5	99.5 99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0 100.0	100.0	100.0
≥ 200	95.2 95.2	98.5	99.0	99.4	99.5	99.5	99.9	99.9	99.9	99.9	99.9	100.0	100.0	10 <b>0.</b> 0	100.0	106.0
≥ 100 ≥ 0	95.4	98.5	99.1	99.	99.5	99.5			99.9	99.9				100.0		

TOTAL NUMBER OF OBSERVATIONS

78

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE



CLIBAL CLIMATOLOGY BRANCH USAFETAC A14 WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

2 1114

HILLIAMS AFB AZ

69-70,73-80

NOV

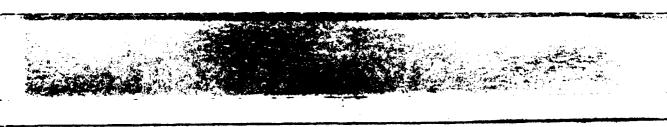
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.T.)

CEIUNG							viS	BILITY ST	ATUTE MIL	ES					_	
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	35.6 87.7	86.8	88.4 90.1	86.2 90.3	89.0 91.1	89.0 91.1	89.0 91.1	89.0 91.1	89.D 91.1	89.0 91.1	89.0 91.1	89.0 91.1	89.0 91.1	89.0 91.1	89.7 91.1	89.j 91.1
≥ 18000 ≥ 18000	88.J	89.2 89.2		90 <b>.6</b>	91.4	91.4 91.4	91.4	91.4	91.4 91.4	91.4 91.4	91.4	91.4	91.4 91.4	91.4	91.4 91.4	91.4 91.4
≥ 14000 ≥ 12000	90.0 91.1	91.1 92.4	92.4 93.7	92.6 93.9	93.4	93.4 94.7	93.4	93.4	93.4 94.7	93.4 94.7	93.4	93.4 94.7	93.4	93.4 94.7	93.4	93.4 94.7
≥ 10000 ≤	92.1 92.7	93.2	94.5 95.2	94.7 95.3	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	95.5 96.1	9 <b>5.</b> 5
≥ 8000 ≥ 7000	93.1 93.1	94.2	95.5 95.5	95.6 95.6	96.4 96.4		96.4 96.4	96.4 96.4		,,,,,,	96.4 96.4	96.4	96.4 96.4	96.4	96.4 96.4	
≥ 6000 ≥ 5000	93.9 94.8	95.2 96.1	96.8 97.7	96.9 97.9	97.7 98.7	97.7 98.7	97.7 98.7	97 <b>.7</b> 98.7	97.7 98.7	97.7 98.7	97.7 98.7		97.7 98.7	97.7 98.7	97.7 98.7	
≥ 4500 ≥ 4000	94.8 95.3	96.4	98.1 98.5	98.2 98.7	99.0 99.5	99.0 99.5		99.0 99.5								
≥ 3500 ≥ 3000	95.6 95.6	97.4	· · • •				100.0									
≥ 2500 ≥ 2000	95.6 95.6	97.4		- 7			100.0								_	
≥ 1800 ≥ 1500	95.6 95.6	97.4	99.0				100.0 100.0							1		
≥ 1200 ≥ 1000	95.6 95.6	97.4	99.0		100.0 100.0		100.0 100.0									
≥ 900 ≥ 800	95.6 95.6	97.4	99.	99.2 99.2			100.0 100.0									100.0 100.0
≥ 700 ≥ 600	95.6 95.6	97.4	99.1		100.0 100.0		100.0 100.0									1
≥ 500 ≥ 400	95.6 95.6	97.4	99.0 99.0		100.0 100.0		100.0			100.0 100.0				100.0 100.0		100.0 100.0
≥ 300 ≥ 200	95.6 95.6	97.4	99.0	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0		100.0
≥ 100 ≥ 0	95 <b>.6</b>	97.4	99.0 99.0				100.0						• • • • •			190.9

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 6 ? 9

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



SEMBAL CLIMATOLOGY BRANCH : - AFETAC

ATT REATHER SERVICE/MAC

USE WITH CAUTION
SEE FIRST PAGE

### CEILING VERSUS VISIBILITY

2.4

F 1

. 4 MILLIAMS AFB AZ

69-70,73-80

NCV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2350 Hours (L.S.Y.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES					·	
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥ 2 1/.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	88.7	89.5	91.9	91.9	93.1		93.1	93.1		93.1		93.1	93.1		93.1	93.1
ļ	89.5	9 ∷ • 3	92.7	92.7	93.9		93.9			93.9	93.9	93.9	93.9		93.9	93.9
≥ 18000	89.9	90.7	93.1	93.1		' ' "	94.3				94.3	94.3		' ' ' '		94.3
	89.9	93.7	93.1	93.1	94.3		94.3		94.3	94.3	94.3	94.3			94.3	94.3
≥ 14000 ≥ 12000	91.1	91.9	7 : • •	94.3	95.5		95.5			95.5		_ 1	_		95.5	95.5
≥ .2000	91.9	92.7	95.1	95.1	96.4		96.4			96.4	96.4	96.4	96.4		96.4	96.4
≥ 10000	91.9	92.7		95.1	96.4	96.4	96.4		96.4	96.4		96.4	96.4	96.4	96 • 4	96 • 4
≥ 9000	92.3	93.1	95.5	95.5						96.8					96.8	96.€
≥ 8000	93.5	94.3	96.8	96 • 8			98.0							1 :		98.0
≥ 7000	93.5	94.3	96.8	96.8			98.0									
≥ 6000	93.9	94.7	97.2	97.2	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 5000	94.7	95.5	98.	98.0	99.2	99.2	99.2	99.2	99.2	99.2			99.2	99.2	99.2	99.2
≥ 4500	94.7	95.5	98.	98.0	99.2	99.2	99.2			99.2	99.2	99.2			99.2	99.2
≥ 4000	95.1	96.0	98.4	98.4											99.6	
≥ 3500	95.1	96.4	98.8			100.0										
≥ 3000	95.1	96.4	98.8			130.0		Į								
≥ 2500	95.1	96.4	98.8			100.0										
≥ 2000	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	95.1	96.4	98.8	98 . 8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 150C	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	<b>բ</b> ոշ.o	100.0	100.0	100.0
≥ ,000	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	130.3
≥ 900	95.1	96.4	98.8	98 . 8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100 C
≥ 700	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	190.C
> 100	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.3	100.0	100.0
≥ 0	95.1	96.4	98.8	98.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	10 <b>0.</b> 2	100.0	100.0
					1											

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSIGLE



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GENEAL CLIMATOLOGY BRANCH GRAFETAC ATH WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

2 i 4 WILLIAMS AFB AZ

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEIL NG		,		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		-	٧١S	BILITY STA	ATOTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ ′4	≥c
NO CEILING ≥ 20000	82.0 85.6	83.8	88.4 88.4	85.0 88.6	85.4 89.0	85.4 89.0		85.5 89.1	85.5 89.1	85.5 89.1	85.5 89.1	85.6 89.2	85.6 89.2	85.6 89.2	85.6 89.2	85.6 89.2
≥ 18000 ≥ 16000	86.1 86.3	87.8	88.9 89.1	89.1 89.3	89.5 89.7	89.5 89.7	89.5 89.8		89.6		89.6 89.8	89.6 89.9	89.6 89.9		89.7 89.9	89.7 89.9
≥ !4000 ≥ !2006	87.6 89.2	89.4 91.0	1	90.6 92.2	91.0 92.6	91.0 92.6		91 • 1 92 • 7	91.1 92.8	91.2 92.8	91.2 92.8	91.2 92.8	91.2 92.8		91.2 92.9	91.2 92.9
≥ 10000 ≥ 9000	90.5 91.5	92.3 92.7	93.3 93.8	93.5 94.0	93.9 94.4	93.9	94.0 94.5	94.5	94.1 94.6	94.1 94.6	94.1 94.6	94.1 94.6	94.1 94.6		94.2 94.6	94.2 94.6
≥ 8000 ≥ 7000	91.5 92.3	93.4	95.1	94.7 95.4	95.0 95.8	95.0 95.8			95.2 95.9		95.9	95.2 96.0	95.2 96.0	96.0	_	
≥ 6000 ≥ 5000	93.6 94.5	95.5	97.5	96 • 8 97 • 8	97.2 98.1	97.2 98.1	97.3 98.2	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	97.4 98.3	98.3	97.5 98.4	97.5 98.4
≥ 4500 ± 4000	94.5 94.9	95.5	98.2	97.8 98.5	98.2	98.9		99.0	98.4	98.4	98.4	98.4	98.4	99.1	98.4	98.4
≥ 3500 ≥ 3000	95 • 1 95 • 4	97.7	99.3 98.7	98 • 6 99 • 0	99.0	99.0		99.1	99.2	99.2	99.2	99.2	99.2	99.7	99.7	99.7
≥ 2500 ≥ 2000	95.4 95.4	97.7	98.7 98.8 98.8	99.1 99.1	99.5	99.5 99.5	99.7	99.6	99.6	99.7 99.7	99.7	99.7 99.8 99.8	99.7 99.8		99.7	99.7 99.5
≥ 1800 ≥ 1500	95.4 95.4	97.7 97.8	98.8	99.1	99.5 99.6	99.6	99.8		99.7 99.8	99.9	99.8	99.9	99.9	99.9	99.8 99.9	99.5
≥ 1200 ≥ 000 ≥ 900	95.4 95.4	97.8	98.9	99.2	99.6	99.6	99.8		99.9		99.9	99.9	99.9	99.9	150.0 130.0	150.0
≥ 800	95.4	97.8	98.9	99.2	99.6	99.6	99.8		99.9	99.9	99.9	99.9	99.9		100.3	193.0
≥ 600	95.4	97.8	98.9	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 400	95.4	97.8	98.9	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0
≥ 200	95.4 95.4	97.8	98.9	99.2	99.7	99.7	99.8	99.9	99.9	99.9				100.0		
≥ 0	95.4	97.8	98.9	99.2	99.7	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	160.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_5315

GE SHAL CLIMATOLOGY BRANCH | CASETAC | AL | LEATHER SERVICEZMAC

USE WITH CAUTION
SEE FIRST PAGE

### CEILING VERSUS VISIBILITY

2 1 14

ILLIAMS AFB AZ

69-70,73-80

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500 Hours (L.S.T.)

CEILING			_			_	vis	IBILITY STA	ATUTE MILI	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ 1 ½	≥1%	≥1	≥ ¾	≥ %	≥ ₩	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	84.8 87.	85.3 87.5	85.9 88.0	35.9 88.0		35.9 88.0	85.9 88.0		85.9 88.0	85.9 88.0		85.9 88.0	85.9 88.0	7.7	85.9 88.0	85.9 88.0
≥ 18000 ≥ 16000	87.0 87.5	87.5 88.3	88.0 88.6	88.0 88.6		88.0 88.6	88.0		88.0 88.6		1 7 7 7 7	88.0 88.6	88.0 88.6		88.0 88.6	88.0 98.6
≥ 14000 ≥ :2000	ક8∙1 89•1	88.6 89.7	89.1 97.2			89.1 90.8	89.1 90.8	89.1 90.8	89.1 90.8	89.1 90.8	90.8	89.1 90.8	89.1 90.8	90.8	89.1 90.8	
≥ 10000	91.8 91.8	92.4 92.4	92.9		93.5	93.5 93.5	93.5 93.5	93.5	93.5 93.5	93.5 93.5	93.5	93.5 93.5	93.5 93.5	93.5	93.5	
≥ 8000 ≥ 7000	92.4				94.6	94.0	94.6	94.6	94.6		94.6	94.0	94.6	94.6	94.6	94.6
≥ 6000 ≥ 5000	94.6 94.6	95.1	95.7	95.7 95.7		96.2 96.2	96.2 96.2	96.2	96.2 96.2		96.2	96.2 96.2	96.2 96.2	96.2	96.2 96.2	
≥ 4500 ≥ 4000 ≥ 3500	94.6 74.6	95.1	95.7 95.7 96.2	95.7 95.7 96.2	96.2	96.2 96.7	96.2 96.2 96.7	96.2	96.2 96.2 96.7	96.2	96.2 96.2 96.7	96.2 96.2 96.7	96 • 2 96 • 2 96 • 7	96.2 96.2 96.7	96.2 96.2 96.7	96.2 96.2 96.7
≥ 3000 ≥ 3000	96.2 96.7	96.7	97.8	97.3	97.8	97.8	97.8	97.8			1	97.8	97.8 98.4	97.8	97.8	-
≥ 1800	96.7	97.8	98.4		98.9	98.9	98.9	98.9	98.9		98.9	98.9	98.9	98.9	98.9	
≥ 1500 ≥ 1200	96.7 96.7	97.8 97.8	98.4		98.9	98.9	98.9	98.9	98.9		98.9	98.9	98.9	98.9	98.9	
≥ ,000 ≥ 900	96.7 96.7	97.8 97.8	98.4			98.9	98.9		98.9 98.9	98.9		98.9 98.9	98.9 98.9		98.9 98.9	98.9 98.9
≥ 800	96.7 96.7	97.8 97.8	98.4 98.4	98.4	<del></del>	98.9 98.9	98.9 98.9		98.9 98.9	98.9 98.9		98.9 98.9	98.9 98.9		98.9 98.9	98.9 98.9
≥ 600 ≥ 500 ≥ 400	96.7	97.8	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 300 ≥ 200	96.7	97.8	98.4	98.4	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 100 ≥ 0	96.7 96.7 96.7	97.8 97.8 97.8	98.4 98.4	98.4 98.4 98.4	98.9 98.9	98.9 98.9	98.9 98.9 98.9	98.9	98.9 98.9 98.9	98.9 98.9 98.9	_	98.9 98.9	98.9 98.9 98.9		98.9 99.5 99.5	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_

184

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



GLOBAL CLIMATOLOGY BRANCH USAFETAC ASH \*EATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

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MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

600-0600 Hours (List.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEE?)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⅓	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	77.2 81.2	78.6 82.7	79.1 83.1	79.2 83.3	79.5 83.5					79.7 83.7	79.7 83.7	79.7 83.7			79.8 83.8	60.1 84.1
≥ 18000 ≥ 16000	81.7	83.1			84.0	84.0	84.0	84.1		84.1	84.1	84.1	84.3	84.3	84.3	84.6
≥ 14000 ≥ 12000	83.8 85.4	85.3 87.0	85.7	85.9 87.6	86.1		86.1	86.3	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.7
≥ 10000 ≥ 9000	87.9	89.5	89.9	90.0	90.5	90.5	90.5	90.6	90.6	90.6	90.6	90.6	90.8	90.8	90.8	91.1
≥ 8000 ≥ 7000	88.3	91.2	91.8	92.1	92.5	92.6	92.6		92.8	92.8	92.8	92.8	92.9	92.9	-	93.2
≥ 6000 ≥ 5000	91.1	91.6	93.4	93.7	94.2	94.4		94.5	94.5	94.5	94.5	94.5	94.7		94.7	94.9
≥ 4500 ≥ 4000	91.9	93.4	94.5	94.8	95.5	95.7	95.7		95.2 95.8	95.8	95.8	95.2	96.0	96.0		96.2
≥ 3500 ≥ 3000	92.4	94.4	94.9	95.5	96.2	96.4	96.4	96.2 96.5	96.5	96.5	96.2	96.2	96.7	96.7	96.4	97.0
≥ 2500	93.2	95.2 95.5	95.8 96.1	96.4	97.5 97.3	97.4	97.4	97.5	97.5	97.5	97.3 97.5		97.7	97.7	97.4	97.7
≥ 2000	93.8 93.8	96.0			97.8	98.0		98.1 98.1	98 • 1 98 • 1	98.1 98.1	98.1 98.1	98.1 98.1	98.3		98.3	98.6
≥ 1500	93.8	96.0	96.5	96.8 97.0	97.8	98.1		98.3 98.4	98.3			98.4			98.4 98.6	98.7
≥ 1000	93.9	96.1	96.7	97.0	98.0 98.0	98.1 98.1		98.4	98.4	98.4 98.4	98.4 98.4	98.4			98.6 98.6	98.E
≥ 800 ≥ 700	93.9	96.1	96.7	97.0	98.1 98.1	98.3	98.4	98.6	98.6			98.6 98.6				99.5
≥ 600	93.9	96.1 96.1	96.7	97.0		98.3	98.4		98.6		98.6	98.6	98.7		98.7 98.7	99.0
≥ 400	93.9	96.1	96.7	97.0		98.3	98.4		98.6	98.6	98.6	98.6	98.7	98.7		
≥ 200	93.9	96.1	96.7	97.0	98.1		98.4	98.6	98.6	98.6	98.6	98.6	98.7	98.7	98.7	99.4
≥ 100 ≥ 0	93.9	96.1	96.7	97.	98.1	98.3	98.4					98.6				100.0

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE



GLUPAL CLIMATOLOGY BRANCH . AFETAC A. WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

2 i 4 wILLIAMS AFB AZ

69-70,73-83

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C900-1100

CEILING							VIS	BILITY STA	ATUTE MIL	ES				<del>-</del>		_ }
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11/4	≥1	≥ ¾	≥ %	≥ ₩	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	74 • 6 78 • 4	76.9 80.6	77.6 81.3		78.3 82.0	78.3 82.0	78.4 82.1	78.5 82.3	78.5 82.3		78.5 82.3	78.5 82.3	78.5 82.3	78.5 82.3	78.6 82.4	78.6 82.4
≥ 18000 ≥ 16000	79.3	81.2 81.6		82.3 82.6		82.6 83.0	82.7 83.1	82.8 83.2			82.8 83.2	82.8 83.2			83.C 83.3	
≥ 14000 ≥ 12000	82.0 83.8	84.3 86.0	85.3 86.7	85.4 87.2		85.8 87.5		86.0 87.8	86.0 87.8		86 • 0 87 • 8	86.0 87.8		_	86.1 87.9	
≥ 10000 ≥ 9000	86.1 86.5	88.5 88.8		90.0		90.0	93.5			90.6		90.2 90.6	90.6	90.6	90.4	90.7
≥ 8000 ≥ 7000	ઠ7.9 88.1	90.1 93.7	90.8	91.9	92.2	91.7 92.2				92.5	<del></del>	91.9 92.5	92.5		92.6	92.6
≥ 6000 ≥ 5000	89.1 90.4	91.7 93.2	92.5	94.5	95.2	93.5 95.2	95.3			95.4	93.8	93.8	95.5	95.5		95.7
≥ 4500 ≥ 4000	90.5	93.9	94.1	94.6	95.3	95.3 96.1	96.2		95.5 96.4	96.4	96.4	95.5 96.4	96.5	96.5	96.6	96.6
≥ 3500 ≥ 3000 ≥ 2500	91.4	94.2	95.2 95.3	95.7 95.8 96.0	96.6 96.7	96.6 96.7	96.8	96.8 96.9	96.8 96.9 97.3	96.9	96.8 96.9 97.3	96.8 96.9	97.1	97.1	97.1 97.2 97.5	97.2
≥ 2000	91.7 91.8 91.8	95.1 95.1	95.5 96.2 96.2	96.7 96.7	96.9 97.8 97.8	96.9 97.8 97.8	97.9	98.0	98.1 98.1	98.1 98.1	98.1 98.1	98.1 98.1	98.2 98.2	98.2 98.2	98.4	98.4
≥ 1500	91.9	95.2	96.4	96.8		97.9	98.1	98.2 98.5	98.4	98.5	98.5	98.5	98.6 98.8	98.6	98.7	98.7
≥ 1000	92.	95.5	96.7	97.2	98.4	98.4			98.8	98.9	98.9	98.9	99.1	99.1	99.2	99.2
≥ 800 ≥ 700	92.0	95.5	96.7	97.2	98.4	98.4	98.6	98.7 98.7	98.8		98.9 98.9	98.9	99.1	99.1	99.2	99.2
≥ 500	92.0 92.0	95.5	96.7	97.2	98.4	98.4	98.6	98.7 98.7	98.8	98.9	98.9 98.9	98.9	99.1	99.1	99.2 99.2	
≥ 400	92.0	95.5	96.7	97.2 97.2	98.4	98.4	98.6	98.7 98.7	98.8	98.9	98.9	98.9	99.1	99.1	99.2	99.2
≥ 100	92.0 92.	95.5	96.7	97.2	98.4	98.4	98.6	98.7	98.8		98.9	98.9			99.6	99.8
≥ 0	92.0	95.5	96.7	97.2	98.4	98.4	98.6	98.7	98.8	98.9	98.9	98.9	99.2	99.2	99.6	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_\_851



GLOSAL CLIMATOLOGY BRANCH LOAFETAC ATA WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

\*

2 i 4 WILLIAMS AFB AZ

69-70,73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LIST.)

CEILING							VIS	BILITY STA	ATUTE MIL	ES						]
(FEE*)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ 1%	≥1%	≥1	≥ ¼	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	74.7 78.7	77.6	77.8	78.2 82.4	78.9 83.1	78.9 83.1		78.9 83.1	78.9 83.1	78.9 83.1	78.9 83.1	78.9 83.1	78.9 83.1	78.9 83.1	78.9 83.1	78.9 83.1
≥ 18000	79.1 80.0	82.2 83.0	82.4	83.8 83.8	83.7 84.5	83.7 84.5	83.7 84.5	83.7 84.5	83.7 84.5	83.7 84.5	83.7 84.5	83.7	83.7 84.5	83.7 84.5	83.7 84.5	83.7 84.5
≥ 14000 ≥ 12000	82.4 53.7	85.5 86.8	85.7 87.0	86.4 87.7	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4	87.1 88.4
≥ 10000 ≥ 9000	86.0 37.1	89.3 90.4			91.0 92.0	91.0 92.0	92.0		91.0 92.0	92.0	92.D	92.0	92.0	92.0	92.0	92.0
≥ 8000 ≥ 7000	87.6 88.2	91.6			92.6 93.2	92.6	93.2			93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 6000 ≥ 5000	89.6 91.	93.0	93.2	93.9	94.6	94.6	96.6	94.6	94.6 96.6	96.6		94.6	96.6	96.6	96.6	96.6
≥ 4500 ≥ 4000	91.2 91.9	94.7	95.7	95.7	96.8	96.8	96.8 97.5		96.8 97.5	97.5	96.8	96.8	97.5	97.5		97.5
≥ 3500 ≥ 3000 ≥ 2500	91.9 92.4	95.7 96.5	95.9 96.8 96.8	96.6 97.5	97.8 98.7 98.7	97.8 98.7 98.7	97.8 98.7 98.7	97.8 98.8	97.8 98.8	98.8	97.8 98.8	97.8 98.8 98.8	98.8	98.8		98.8
≥ 2000	92.5 92.5	96.7	97.1 97.1	97.8	99.2	99.2	99.2	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 1500	92.5	97.0		98.0	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 900	92.5	97.1	97.4	98.1	99.5	99.5	99.5	99.6	99.9		99.9	99.9	99.9	99.9	99.9	99.9
≥ 800	92.5	97.1	97.4	98.1 98.1	99.5	99.5	99.5	99.6	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 500	92.5	97.1	97.4	98.1 98.1	99.5	99.5	99.5	99.6	99.9		99.9 100.0	99.9	99.9			
≥ 400 ≥ 300	92.5	97.1	97.4	98 • 1 98 • 1	99.5	99.5	99.5	99.6		100.0			100.0			
≥ 100	92.5 92.5	97.1	97.4	98.1 98.1	99.5	99.5	99.5	99.6		100.0 100.0			100.0			100.0
≥ 0	92.5	97.1	97.4	98.1	99.5	99.5	99.5	99.6	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS \_\_



GL BAL CLIMATOLOGY BRANCH . - AFETAC ATH REATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

2 1 4 SILLIAMS AFB AZ

69-70,73-80

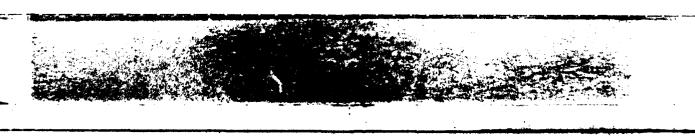
#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING							VIS	BILITY ST	ATUTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥1%	≥11/4	≥1	≥ %	≥ %	≥ ५;	≥ 5/16	≥ ¼	≥0
> 50000 S 50000	75.7 60.2	80.5 85.1	80.6 85.2		81.0 85.6	81.0 85.6	81.0 85.6		81.0 85.6	81.0 85.6	81.0 85.6	81.0 85.6	81.0	81.0 85.6	81.0 85.6	81.3 85.6
≥ 18000 ≥ 16000	80.9 81.3	85.8 86.2	85.9 86.3	86.2 86.6	86.3	86 • 3 86 • 7	86.3 86.7	86.3 86.7	86.3 86.7	86.3 86.7	86.3	86.3	86.3	86.3		86.3
≥ 14000 ≥ 12000	84.3	89.1 90.1	89.4	89.7 90.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8 90.8	89.8	89.8	89.8	89.8
≥ 10000 ≥ 9000	87.4 88.1	92.4	92.7	92.9	93.1 93.8	93.1	93.1	93.1 93.8	93.1 93.8	93.1	93.1	93.1 93.8	93.1	93.1 93.8	93.1	93.1
≥ 8000 ≥ 7000	8 <b>8.</b> 6	93.6	93.9	94.2	94.3	94.3	94.3 95.0	94.3 95.0	94.3 95.0	1	94.3 95.0	94.3	94.3	94.3	94.3	94.3
≥ 6000 ≥ 5000	89.7 90.6	94.7	95.0 95.9	95 • 3 96 • 2	95.4 96. <b>5</b>	95.4 96.5	95.4 96.5	95.4 96.5	95.4 96.5		95.4 96.5	95.4	95.4 96.5		95.4	95.4
≥ 4500 ≥ 4000	91.2 92.	96.2 97.0	96.5 97.3	96.7 97.6	97.0 97.8	97.0 97.8	97.0 97.8	97.0 97.8	97.0 97.8			97.0 97.8			97.0 97.8	97.0
≥ 3500 ≥ 3000	92.4 92.4	97.6	97.8 97.8	98 • 1 98 • 1	98.4 98.4	98.4 98.4		98.4 98.4	98.4 98.4		98.4 98.4	98.4 98.4	98.4 98.4	98.4 98.4	98.4 98.4	98 • 4 98 • 4
≥ 2500 ≥ 2000	92.4 92.8	97.6 98.0	97.8 98.4	98 • 1 98 • 6	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 98.9	98.4 99.2	98.4 99.2	98.4 99.2	98.4 99.2	98.4 99.2	98•4 99•2	98.4 99.2
≥ 1800 ≥ 1500	92.9 93.2	98.4	98.4 98.8	98.6	98.9 99.6	98.9 99.6		98.9 99.6				99.2 99.9	99.2 99.9	99.2 99.9	99.2 99.9	99.2 99.9
≥ 1200	93.2	98.4	98.8 98.8	99.1 99.1	99.6	99.6	99.6		99.6	99.9		99.9	99.9	99.9	99.9	99.9
≥ 900 ≥ 800	93.2	98.4	98.8	99.1	99.6	99.6	99.6	99.6		99.9 100.0		99.9			99.9 100.0	
≥ 700 ≥ 600	93.2	98.4	98.8	99.1	99.7	99.7	99.7	99.7	99.7	100.0		100.0	100.0	100.0	100.0	00.0
≥ 500 ≥ 400 ≥ 300	93.2 93.2	98.4	98.8	99.1	99.7	99.7	99.7	99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	93.2	98.4	98.8	99.1 99.1	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 100 ≥ 0	93.2	98.4	98.8	99.1	99.7	99.7	99.7	99.7			100.0					

TOTAL NUMBER OF OBSERVATIONS

JUL 84 0-14-5 (OL A) PREVIOUS EDITIONS OF



GLOBAL CLIMATOLOGY BRANCH OTAFETAC AT W WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

wILLIAMS AFB AZ

69-70,73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

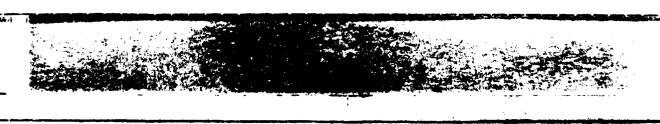
1800-2000 Hours (L.s.T.)

CEILING						_	VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	78.7 82.3	82.1	82.7 86.7	83.1	83.3	83.3				83.3 87.3				83.3 87.3		
≥ 18000	82.9	86.7	87.3	87.8	88.0	88.0	Ī									
≥ 16000	83.5	87.3	88.0	88.4	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 14000	86.5	90.8	91.4	91.8	92.Q	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0	92.0
≥ 12000	87.1	91.4	92.5	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 10000	89.4	93.6	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 9000	89.4	93.6	94.2	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 8000	90.d	94.2	94.8	95.2	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 7000	90.4	94.6	95.2	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 6000	91.4	95.6	96.2	96.6	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8	96.8
≥ 5000	92.1	96.2	96.8	97.2	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
≥ 4500	92.4	96.6	97.2	97.6	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8	97.8
₫ 4000	92.6	96.8	97.4	97.8	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0	98.0
≥ 3500	93.4	97.6	98.2	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98 • 8
≥ 3000	93.6	97.8	98.4	98.8	99.g	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 2500	93.8	98.0	98.6	99.Q	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 2000	94.0	98.2	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1800	94.0	98.2	98.8	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 1500	94.5	98.2	98.8	99.2	100.d	100.d	100.0	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.3
≥ 1200	94.	98.2	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ ,000	94.1	98.2	98.8	99.2	100.d	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	94.1	98.2	98.8	99.2	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	94.1	98.2	98.8	99.2	100.d	100.d	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	94.	98.2	98.8	99.2	100.0	100.d	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	94.d	98.2	98.8							100.0						
≥ 500	94.0	98.2	98.8							100.0						
≥ 400	94.0	98.2	98.8							100.0						
≥ 300	94.0	98.2	98.8							100.0						
≥ 200	94.3	98.2	98.8							100.0						
≥ 100	94.	98.2	98.8							100.0						
≥ 0	94.0	98.2	98.8							100.0						
																= O

TOTAL NUMBER OF OBSERVATIONS \_\_\_

498

JSAF ETAC JULIA 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET



SUBBAL CLIMATOLOGY BRANCH SAFETAC Al REATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

#### CEILING VERSUS VISIBILITY

2 134

WILLIAMS AFB AZ

69-70,73-80

DEC

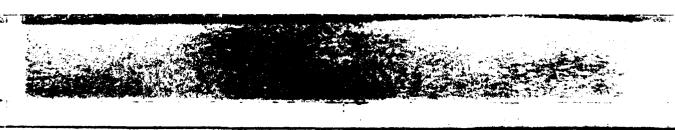
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LS.T.)

CEHING							VIS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21/:	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥%	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	84.2	86.9 89.1	86.9	86.9 89.1	86.9	86.9	86.9 89.1	86.9 89.1	86.9 89.1	86.9	86.9 89.1	86.9	86.9	86.9 89.1	86.9	86.9
≥ 18000 ≥ 16000	86.4	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 14000 ≥ 12000	88.7	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 10000 ≥ 9000	92.3	95.5	95.5	95.5 96.4	95.5	95.5		95.5 96.4	95.5 96.4	95.5 96.4	95.5	95.5	95.5	95.5	95.5	95.5
≥ 8000 ≥ 7000	94.1	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3	97.3 97.3	97.3	97.3	97.3	97.3	97.3
≥ 6000 ≥ 5000	95.1 95.1	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2	98.2 98.2	98.2 98.2	98.2 98.2	98.2
≥ 4500 ≥ 4000	95.1	98.2 99.1	98.2 99.1	98.2 99.1	98.2	98.2 99.1		98.2 99.1	98.2	98.2 99.1	98.2 99.1	98.2 99.1	98.2	98.2	98.2 99.1	98.2
≥ 3500 ≥ 3000	95.9 95.9	99.1	99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1
≥ 2500 ≥ 2000	95.9 95.9	99.1 99.1	99.1 99.1	99.1	99.1 99.1	99.1	99.1 99.1	99.1 99.1	59.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1 99.1	99.1	99.1 99.1	99.1 99.1
≥ 1800 ≥ 1500	95.9 9 <b>5.</b> 9	99.1	99.1 99.1	99.1 99.1	99.1 100.0	99.1	99.1 100.0	99.1 100.0	99.1 180.0	99.1 100.0	99.1 100.0	99.1 100.0	99.1	99.1	99.1 100.3	99.1
≥ 1200 ≥ 1000	95.9 95.9	99.1	99.1 99.1	99.1	100.0 100.0	100.0	100.0 100.0	100.0	100.0	100.0 100.0	100.0	100.0	100.0	100.0	100.0	
≥ 900 ≥ 800	95.9 95.9	99.1	99.1	99.1 99.1	100.0	100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0		100.0	
≥ 700 ≥ 600	95.9 95.9	99.1	99.1 99.1	99.1 99.1	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0		100.0	
≥ 500 ≥ 400	95.9 95.9	99.1 99.1	99.1 99.1	99.1 99.1	100.0 100.0	100.0 100.0	100.0 100.0	100.0	100.0 100.0	100.0 100.0	100.0	100.0	100.0		100.0	
≥ 300 ≥ 200	95.9 9 <b>5.</b> 9	99.1 99.1	99.1 99.1	99.1	100.0 100.0	100.0	100.0	100.0 100.0		100.0 100.0		100.0 100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	9 <b>5.9</b>	99.1	99.1 99.1			100.0	100.0 100.0				100.0		100.0		100.0 100.0	

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_\_ 221

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE



CLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

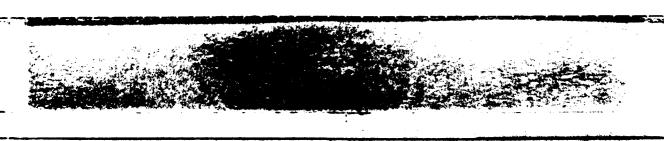
2 114 WILLIAMS AFB AZ

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING		· · · · ·					VIS	BILITY STA	ATUTE MILI	ES			·		_	
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥ 4	≥1	≥ ¼	≥ %	≥ %	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	76.8 80.6	79.6 83.5	80.0 83.8	80.2 84.2	80.6 84.5	80.6 84.5	80.6 84.5		80.6 84.6		80.6 84.6	80.6 84.6	80.7	8C.7 84.6	80.7 84.6	80.7 84.7
≥ 18000 ≥ 16000	81.1 81.6	84.0 84.5	84.4 84.9	84.7 85.2	85.0 85.5	85.0 85.5	85.0 85.6		85.1 85.6	85.1 85.6	85.1 85.6	85.1 85.6	85.1 85.6	85.1 85.6	85.1 85.7	85.2 85.7
≥ 14000 ≥ :2000	84. 85.3	87.0 88.3	87.4 88.7	87.8 89.1	88.1 89.5		88.1 89.5		88.2 89.5	88.2 89.5	88.2 89.5	88.2 89.5	88.2 89.6	88.2 89.6	88 • 2 89 • 6	
≥ 10000 ≥ 9000	88.3	90.7	91.2 91.7	91.5 92.1	92.5		91.9 92.5	92.6	92.6		92.6	92.6	92.0 92.6	92.6	92.6	92.7
≥ 8000 ≥ 7000	89.5	92.7	92.6	93.5		93.4	93.4		93.5 94.0		93.5	93.5	93.5		93.5 94.0 95.2	93.6 94.1 95.2
≥ 6000 ≥ 5000 ≥ 4500	90.5 91.4 91.7	93.7 94.7 95.0	94.2 95.1	94.6 95.5 95.9	95.0 96.2 96.5	95.0 96.2	95.0 96.2 96.5	95.1 96.3	95.1 96.3 96.6	95.1 96.3	95.1 96.3 96.6	95.1 96.3 96.6	95.1 96.3 96.6	95.1 96.3	-	
≥ 3500 ≥ 3500	92.2	95.6	96.D	96.4		97.1	97.2 97.6	97.2	97.2	97.2	97.2	97.2	97.3		97.3	97.3
≥ 3000 ≥ 2500	92.8	96.5	96.9	97.4	97.9	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.2
≥ 1800	93.2 93.2	96.8	97.4	97.8	98.6 98.6	98.6	98.7	98.7 98.7	98.8 98.8	98.8	98.8	98.8	98.9	98.9	98.9 98.9	98.9
≥ 1500	93.3 93.3	97.0 97.1	97.6	98.0	99.0	99.1	99.0 99.1	99.2	99.3	99.2	99.2	99.4	99.4	99.4	99.3	99.3
≥ ,000 ≥ 900 ≥ 800	93.3	97.1	97.7	98.1	99.1	99.1	99.2	99.3	99.3	99.4	99.4	99.4	99.5	99.5	99.5	99.5
≥ 700 ≥ 600	93.3 93.3 93.3	97.1 97.1	97.7 97.7 97.7	98.1 98.1 98.1	99.1 99.1 99.1	99.2 99.2	99.2 99.2	99.3	99.4	99.5 99.5	99.5 99.5	99.5	99.5 99.5 99.5	1 1 7 2	99.5	99.6
≥ 500 ≥ 400	93.3 93.3	97.1	97.7	98 • 1 98 • 1	99.1	99.2	99.2	99.3	99.4	99.5		99.5	99.5	99.5	99.6	99.6
≥ 300 ≥ 200	93.3	97.1	97.7	98 • 1 98 • 1	99.1	99.2	99.2	99.3	99.4	99.5		99.5	99.5	99.5	99.6	99.7
≥ 100 ≥ 0	93.3 93.3	97.1 97.1	97.7 97.7	98.1 98.1	99.1 99.1	99.2 99.2	99.2 99.2		99.4	99.5 99.5		99.5 99.5	99.6		99.7 99.7	99.9 100.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_



GUUBAL CLIMATOLOGY BRANCH USIFETAC ATT WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

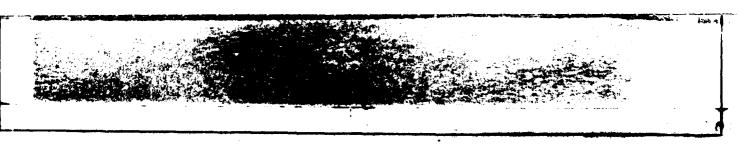
2 104 WILLIAMS AFB AZ

69-70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	IBILITY STA	ATUTE MILI	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥١	≥ 1⁄4	≥ %	≥ ⊮:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	80.5 85.3	81.2	81.4 86.3	81.5 86.3	81.6 86.4	81.6 86.4	81.6	81.6 86.5	81.6 86.5	81.6	81.6 86.5	81.6	81.6 86.5	81.6 86.5	81.6 86.5	81.6 86.5
≥ 18000 ≥ 16000	85.8 86.2	86.6 86.9	86.8 87.1	86.8 87.2	86.9 87.3	86.9 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.3	87.0 87.4
≥ 14000 ≥ 12000	88.4 91.1	89.1 91.9	89.3 92.1	89.4 92.2	89.5 92.3	89.5 92.3	89.5 92.3	89.5 92.3	89.5 92.3	89.5 92.3	89.6 92.3	89.6 92.3	89.6 92.3	89.6 92.4	89.6 92.4	89.6 92.4
≥ 10000	92.7 93.1	93.6	93.8 94.1	93.9 94.2	94.0 94.3	94.0	94.0	94.0	94.0	94.0 94.4	94.0 94.4	94.4	94.4	94.4	94.1	94.4
≥ 8000 ≥ 7000	93.8	94.6	94.9			95.1 95.7	95.1 95.7	95.1 95.7	95.1 95.7	95.7	95.1 95.7	95.1 95.7	95.1 95.7	95.2 95.7	95.2 95.8	95.8
≥ 6000 ≥ 5000	95.7 96.3	96.6	96.9	98.1	97.1	97.1 98.4	97.2 98.4	97.2 98.4	97.2 98.4	97.2 98.4	97.2	97.2	97.2 98.4	97.2 98.4	97.3 98.5	98.5
≥ 4500 ≥ 4000 ≥ 3500	96.9 97.3	97.9	98.2 98.6	98.3 98.7	98.5 98.9	98.5 98.9	98.5	98.5	98.5 99.0	98.6 99.0 99.3	98.6 99.0 99.3	98.6 99.0	98.6 99.0	98.6 99.0 99.3	98.6 99.0	98.6 99.1
≥ 3000	97.7	98.6 98.8 98.9	98.8 99.1	99.3	99.5	99.5	99.2 99.5	99.2 99.6	99.6	99.6 99.7	99.6	99.6 99.7	99.6 99.7	99.6 99.7	99.6	99.6 99.7
≥ 2000	97.8	99.0	99.3	99.4		99.7	99.7	99.7	99.7	99.8	99.8	99.8	99.8	99.8 99.8	99.8	99.8
≥ 1500	97.8	99.0	99.3	99.4	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 1000	97.9 97.9	99.0	99.3	99.5	99.7	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	
≥ 800	97.9 97.9	99.0	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9		100.0
≥ 500	97.9	99.0	99.3	99.5		99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9		100.0	
≥ 400 ≥ 300 ≥ 200	97.9	99.0	99.3	99.5	19.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9		100.0	
≥ 100 ≥ 0	97.9		99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.C
	97.9	99.0	99.3	99.5	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.9	100.0	F00 - C

TOTAL NUMBER OF OBSERVATIONS \_\_\_



U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

#### TOTAL SKY COVER

FOR AIRWAYS STATICAL THE SYMBOLS OF CLEAR, SCATTERED, BROKER, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

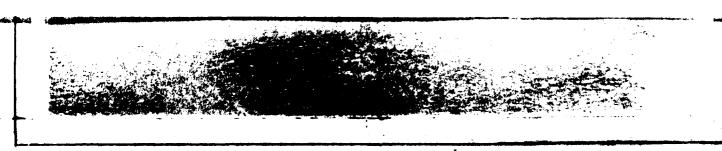
CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

CVERCAST WAS CONVERTED TO 10/10

CESCURED WAS CONVERTED TO 10/10



GLOBAL CLIMATOLOGY BRANCH CAFETAC AIR MEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

**SKY COVER** 

27174 JILLIAMS AFB AZ
STATION STATION NAME

70.73-81

PERIOD

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MONTH	(L.\$.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO: OF OBS.
NAL.	<u>-0-02</u>													
	01-05	45.7			19.2						15.0	20.1	3,9	23
	06- <b>03</b>	32.9			24.8			ļ	ļ		19.9	22.3	4.8	75
	9-11	23.7			29.9						21.2	25.2	5.3	90
	12-14	19.8			29.1	<del></del>		ļ	ļ		24.0	27.1	5.7	90
	12-17	17.7			28.1						27.5	27.4	6.1	82
	1 à <b>- 20</b>	25.1			27.7						24.0	23.1	5.3	65
	-1-23	41.3			24.9						16.4	17.4	4.0	28
101	TALS	29.4			26.2						21.1	23.2	5.0	454

USAFETAC

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CLUBAL CLIMATOLOGY BRANCH LEAFETAC A! WEATHER SERVICE/MAC

USE WITH CAUTION

PERIOD

**SKY COVER** 

27104 APLIAMS AFB AZ
STATION NAME

70.73-81

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MUNIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS.
FEB	0-02		w <del>-</del>								<b></b>			
	-3-n5	50.2			15.5		-				17.4	16.9	3.7	219
	26-08	32.0		-	27.5						22.6	17.8	4.6	712
	59-11	24.0			31.5			ļ			22.8	21.7	5.2	820
·- <u>-</u>	12-14	20.9			31.7						26.1	21.2	5.4	819
	15-17	2:.3			30.9		<u>-</u>				24.8	23.9	5.6	757
	16-25	25.4			28.4						26.1	20.1	5.2	617
	21-23	44.0	<del></del>	ļ	20.9						21.6	13.6	3.9	273
<del></del> .				-				<u> </u>			<del> </del>			
				<b>-</b>							<del> </del>			
			· · · · · · · · · · · · · · · · · · ·								1			
10	TALS	31.0			26.6						23.1	19.3	4.8	4217

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC



GEOFAL CLIMATOLOGY BRANCH OF AFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

**SKY COVER** 

WILLIAMS AFB AZ
STATION NAME

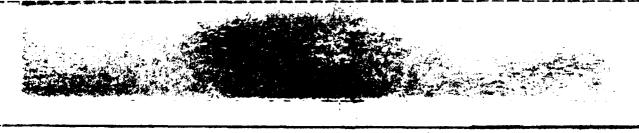
70,73-81

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENTI	IS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
MAP	^0-02			-					<u> </u>		ļ	 		
	3-05	43.1			24.0						13.8	19.1	3.9	24
	6-08	32.9			28.1						20.0	19.0	4.5	89
	09-11	27.6			28.7						21.7	22.1	5.0	92
	12-14	20.8			32.0	N					23.9	23.3	5.4	92
	15-17	19.8			33.5						25.0	21.7	5.4	85
	16-20	29.5	***		32.2						19.0	19.3	4.6	70
<u>-</u>	21-23	45.9			25.7						12.9	15.5	3.5	34
	<u></u>			<del> </del>							-			
101	TALS	31.4		<u> </u>	29.2						19.5	20.0	4.6	480

USAFETAC



GLOBAL CLIMATOLOGY BRANCH UTAFETAC AIR WEATHER SERVICE/MAC

**SKY COVER** 

USE WITH CAUTION SEE FIRST PAGE

23174 WILLIAMS AFB AZ STATION NAME

70,73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUEN	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL NO OF
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	OBS.
APR	00-02					·—								·
	^3 <b>-</b> 05	61.6			19.4						11.6	7.4	2.4	24
	-6-08	42.5			31.6	····		-			15.7	10.1	3.4	78
	- y <b>- 11</b>	43.4			31.9						15.1	9.6	3.3	90
	114	35.2			35.7						19.0	10.1	3.8	901
	15-17	34.9			33.5					<b></b>	18.1	13.5	4.0	831
	10-20	38.2			32.8				 		15.5	13.5	3.7	70
	71-23	51.4			28.6						11.6	8.4	2.7	34
											┿			
		-					<u> </u>							
101	ALS	43.9			30.5						15.2	10.4	3.3	470

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH L'AFETAC ATP WEATHER SERVICE/MAC

SEE FIRST PAGE

**SKY COVER** 

2°1°4 AILLIAMS AFB AZ
STATION STATION NAME

70,73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO OF OBS.
MAY	0-02									<u> </u>				
	03-05	49.8			31.5						14.9	3.7	2.7	24
	26-08	49.3			28.7						14.7	7.3	2.9	78
·-·	9-11	48.3	<del></del>		29.8		J				14.7	7.2	2.9	90
	12-14	47.3			36.0						16.8	7.0	3.3	90
	15-17	36.4			36.7						19.0	8.6	3.7	83
	10-20	39.3			30.6						21.1	9.0	3.7	71
	?1-23	52.7			26.1	···					13.7	7.5	2.8	38
											-			
					-	-								
יסז	ALS	45.2			31.2	·					16.4	7.2	3.1	477

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

GLOSAL CLIMATOLOGY BRANCH ATE MEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

**SKY COVER** 

231 4 WILLIAMS AFB AZ
STATION STATION NAME

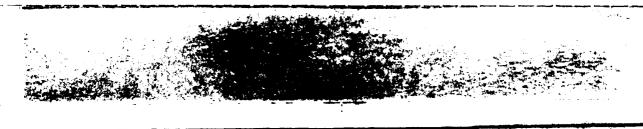
69-70,73-80

JUN

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO. OF OBS.
JUN	0-02							<u> </u>						
	13-05	53.4			29.8			ļ			14.3	2.5	2.4	23
	n6-08	51.4			32.5					ļ	12.3	3.9	2.5	77
	09-11	54.2			30.7						11.5	3.7	2.3	899
	12-14	52.7			32.3				ļ		10.9	4 • 1	2.4	901
	15-17	49.2			34.0				<b>.</b>		11.3	5.4	. 16	829
	18-20	49.3			30.6				ļ		13.1	7.0	2.8	69
	21-23	60.3			21.9	<del>-</del>					13.2	4.5	2.3	40
												<del></del>		
						=								
101	TALS	52.9			30.3						12.4	4.4	2.5	4736

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC



USE WITH CAUTION SEE FIRST PAGE

CLUBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

**SKY COVER** 

27174 AILLIAMS AFB AZ
STATION STATION NAME

69-70,73-80

PER:OD

JUL

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER	!			MEAN	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	OBS.
JUL	10-02					<del>.</del>					_			
	33-35	13.9			42.0			ļ			26.5	17.6	5.4	24
	06-08	13.4			38.4						30.7	17.5	5.7	78
	~9 <b>-11</b>	17.2			41.6						29.2	12.1	5.1	90
···	12-14	15.5			51.8						26.5	6.2	4.6	90
	15-17	12.6			52.0	<u></u>					29.4	6.1	4.8	84
	18-20	11.8			32.2						41.1	14.9	6.2	71
	21-23	17.3			29.4					ļ	35.1	18.3	5.9	40
											-			
<del>,</del>	<u> </u>													
	<u> </u>			<b></b>										
tot	TALS	14.5			41.1						31.2	13.2	5.4	480

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



GL BAL CLIMATOLOGY BRANCH CSAFETAC AL WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

**SKY COVER** 

WILLIAMS AFB AZ
STATION NAME

69-70,73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4_	5	6	7	8	9	10	SKY COVER	OBS.
ذ∪ ۵	-02										ļ			
	3-05	35.2			38.9						18.2	7.7	3.6	24
	-6-08	24.8	-	ļ	45.6			<u> </u>		ļ <u>.</u>	21.8	7.8	4.1	79
	9-11	31.0			45.3						18.6	5.1	3.5	92
	12-14	26.2			53.4			ļ			17.1	3.2	3.5	93
	15-17	21.4			56.2						19.3	3.1	3.7	86
	18-20	24.0			38.7						28.0	9.3	4.6	72
	21-23	36.2			28.0						22.5	13.2	4.2	37
					-									:
······	<u> </u>		· · · · · · · · · · · · · · · · · · ·											<del></del>
TO:	TALS	28.4		<u> </u>	43.7			1			20.8	7.1	3.9	486

USAFETAC

FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



CLUBAL CLIMATOLOGY BRANCH . TAFETAC

ATR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

**SKY COVER** 

FILLIAMS AFB AZ
STATION NAME

69-70,73-80

SEP

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	CY OF TENT	HS OF TOTA	L SKY COVER	₹			MEAN TENTHS OF	TOTAL NO. OF
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
SEP	0-02													
	3-05	63.4			25.3			ļ			6.7	7.6	2.1	22
	6-D8	41.1	· · · · · · · · · · · · · · · · · · ·		34.7				<u> </u>	<u> </u>	17.2	6.9	3.3	73
	^9 <b>-11</b>	40.7			39.3						14.1	6.0	3.0	87
-	12-14	34.0			46.7						12.2	7.1	3.2	87
	15-17	29.4			48.7						14.4	7.4	3.5	79
	18-20	38.2			33.0						17.6	11.2	3.7	65
	21-23	45.6	<del></del> .	ļ	26.2					<u> </u>	16.8	11.3	3.4	30
				ļ										
										ļ				
·														
τοτ	ALS	41.3			36.3						14.1	8.2	3.2	446

FORM 0-9-5 (OL A) USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



USE WITH CAUTION SEE FIRST PAGE

SKY COVER

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR \*EATHER SERVICE/MAC

23134

MILLIAMS AFB AZ
STATION NAME

69-70,73-80

PERIOD

OCT

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
	(L.S.T.)	0	1	2	3	4	5	6	,	8	9	10	SKY COVER	085
OCT	00-02										-			
	03-05	65.5			19.6						8.1	6.8	2.0	23
	^6-08	52.3			25.5					}	15.0	7.2	2.8	76
	Г9 <b>-11</b>	46.0		ļ	30.3					ļ	15.1	8.6	3.1	90
	12-14	38.6			35.5						19.4	6.4	3.5	90
	15-17	37.9			35.0			ļ			20.1	7.0	3.6	82
	16-20	51.9			27.1				ļ		15.3	5.7	2 . 8	68
	21-23	63.8		<u> </u>	21.5			<u> </u>	<u> </u>		11.5	3.2	2.0	31
				<del> </del>										
<del> </del>				<del> </del>		<del></del>		<del> </del>			-			
<b>TO</b> 1	TALS	50.9	<del></del>		27.8								2 • 8	461

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

**SKY COVER** 

WILLIAMS AFB AZ
STATION NAME

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER	!			MEAN TENTHS OF	TOTAL NO OF
	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
NOV	0-02												Ì	
	03-05	64.2			17.9						8.7	9.2	2.2	21
	36-08	45.2			31.6					ļ	13.8	9.3	3.1	73
	9-11	35.5			36.3						16.2	11.9	3.7	85
	12-14	32.4			36.8						17.6	13.2	4.0	85
	15-17	31.9			35.3						18.8	14.0	4.1	78
	16-20	48.4			28.5						14.4	8.7	3.0	61
<del> </del>	21-23	<b>6</b> 8.0			19,4						6.1	6.5	1.8	24
														·
								-						
10	TALS	46.5			29.4			<u> </u>			13.7	10.4	3.1	430

USAFETAC PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



9

CLOBAL CLIMATOLOGY BRANCH US AFETAC AT WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE **SKY COVER** 

23104

WILLIAMS AFB AZ
STATION NAME

69-70,73-80

DEC

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PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO. OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS.
DEC	്റ-02													
	3-05	59.8		ļ	20.7						6.5	13.0	2.5	18
	.,6-08	43.6			25.6			<u> </u>	\		15.0	15.8	3.7	69
	79-11	34.0		ļ	27.2			ļ			20.4	18.4	4.5	84
	12-14	29.4		ļ	32.8		 				17.2	20.5	4.6	85
	15-17	29.9		<u> </u>	31.5						18.5	20.2	4.6	73
	18-20	41.0			28.0			<u> </u>			18.1	12.9	3.8	49
	71-23	54.8		ļ	23.8						13.1	11.3	2.9	22
<del></del>			<del></del>											
101	ALS	41.8		<u> </u>	26.7	<del></del>					15.5	16.0	3.6	403

USAFETAC FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

GLOMAL CLIMATOLOGY BRANCH CRAFETAC AIR WEATHER SERVICE/MAC

**SKY COVER** 

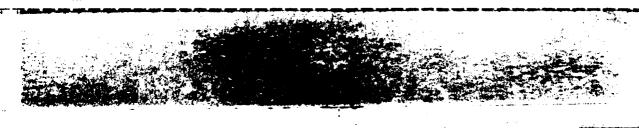
27104 AILLIAMS AFB AZ
STATION STATION NAME

69-70,73-81

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER	!			MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO. OF OBS.
JAN	ALL	29.4			26.2						21.1	23.2	5.0	454
FEB		31.0			26.6						23.1	19.3	4.8	421
MAR		31.4		ļ	29.2					<u> </u>	19.5	20.0	4.6	480
APR		43.9			30.5			ļ			15.2	10.4	3.3	470
MAY		45.2			31.2						16.4	7.2	3.1	47
JUN		52.9		ļ <u> </u>	30.3			ļ			12.4	4.4	2.5	473
JUL		14.5			41.1			ļ <u></u>			31.2	13.2	5.4	480
AUG		28.4			43.7						20.8	7.1	3.9	486
SEP .		41.3	<del></del>		36.3	·····				<u> </u>	14.1	8.2	3.2	440
oct		50.9			27.8			<u> </u>			14.9	6.4	2.8	461
NOV		46.5			29.4			<u> </u>			13.7	10.4	3.1	430
DEC		41.8			26.7						15,5	16.0	3.8	403
101	ALS	38.1			31.6						18.2	12.2	3.8	5486

FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

#### **PSYCHROMETRIC SUMMARIES**

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperaturesc. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from bourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximim and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse



E - 1

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.



STATION STATION 2 4 STATION

**DAILY TEMPERATURES** 

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
117			+ -			• 1	• 2						• i
. 1	# · · · · · · · · · · · · · · · · · · ·	•		+	• 1	5.5	5.8	.8	1.1		i		1.1
105		+	<del> </del>		1.9	24.0	35.7	16.3	8.9				7.3
	+		<b>+</b> · - ·	•1	9.7	55.8	74.3	57.6	33.7	2.3			19.7
9.5	<b>†</b>	• - · ·	+	5.7	33.3	80.5	93.5	87.7	66.6	15.7			32.3
	<b>#</b>	• 1	1.1	18.8	60.9	93.1	98.5	97.1	87.3	39.1	1.1	1	41.9
έ5	#	1.1	7.7	40.6	79.6	99.0	99.7	99.2	96.1	62.4	7.0		50.0
	1.4	7.8	22.5	63.6	89.6	99.9	100.0	99.8	98.7	78.8	25.6	2.1	58.1
7 5	7.4	21.9		77.6	95.8			99.9	99.7	89.1	47.1	11.7	66.6
, -,	23.9	43.6	62.3	87.9	98.8	100.0		100.0	100.0	95.2	68.8	30.9	76.4
··	46.1	66.7	78.5	95.4	99.9		+ <del></del>			98.1	84.4	56.1	85.7
3.8	73.8	84.3	92.0	98.9	100.0					99.5	94.5	78.0	93.1
	87.7	95.5	97.8	99.7		k	<del> </del>			99.7	98.7	91.0	97.5
·	96.2	99.3		100.0					· · · · · · · · · · · · · · · · · · ·	100.0	99.6	96.7	99.3
45	79.2	1.0.0	100.0	t-	•		<del> </del>				99.9	99.5	99.9
46	* 99.9	† [ ] - [ ] - [	* T.T.E.T.T	•	• · · · · · · · · · · · · · · · · · · ·	<del> </del>	·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	100.0		100.0
<u>₹</u> ₹	100.0	+ -	+	* - · · ·	·	<b>-</b>		· · · · · · · · · · · · · · · · · · ·			· · · · · · · · · · · · · · · · · · ·	†	100.0
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	4	<u> </u>	· +	ļ	 	L					ļ <u> </u>	ļ	
	‡		ļ	L							<u> </u>		
	<u> </u>			<u> </u>					4.4.				
MEAN	63.6	1		81.4	90.5		102.3	99.9	96.6	85.9		65.3	83.2
S D	7.692							4.855				7.767	15.752
TOTAL OBS.	1176	1 57	1193	1183	1216	1159	1184	1201	1142	1188	1135	1150	13984

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



# **DAILY TEMPERATURES**

A THAL CLIMATOLOGY BRANCH

ACCTAC

EXECUTER SERVICE/MAC

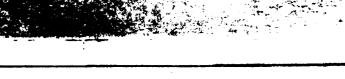
104 AILLIAMS AFR AZ

STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMO"

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	, JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
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	37.7	• 		† · · ·		•1	1.5	2.7	1.2	• 6		+		•
	÷ 5	<del> </del>		t · - ·	•	.7	4.1	12.1	5.4	1.7	• 1	<del></del>		2.
	· · · · · · · · · · · · · · · · · · ·	<del>-</del>		+	• 2	2.1	12.8	49.2	31.0	10.1	• 5	<del> </del>		9.
		<del> </del>		:	• 3	4.9	28.9	83.7	72.4	29.9	1.7	• 2		18.
	777	+	• 1	• 3	3.€	13.2	54.1	97.3	95.2	62.3	8 • 4			28.
	, 5	<del> </del>	• 2	. 8	7.2	33.1	81.6	99.9	99.3	86.2	26.1	.7	•1	36.
		# · · · <u>-</u> ·	• 5	2.7	20.9	64.2	95.9	100.0	99.9	96.6	49.2	3.5	• 3	45.
		. 9	3.2	11.2	42.9	86.4	99.7		100.0	99.5	74.3	11.5	1.7	53.
		6.1	15.0	30.7	69.4	95.8	100.0			100.0	89.1	32.9	7.0	62.
	45	20.3	36.7	61.5	89.4	99.1		·			96.3	62.6	22.6	74.
-		44.7	65.5	84.6	97.9	79.8		·			98.9	82.6	49.2	85.
	3 7	73.4	85.6	96.4		100.3				<del>+</del>	99.9	95.9	78.2	94.
	33	8 3 • 9	93.9	98.3				·		+	100.0	98.0	86.5	96
	*5	20.5	96.2	99.6		•	+	÷		·	10000	99.7	94.7	93.
	25 -	₹7.6	99.6	99.8	t'		<u>.</u>	<u>+</u>		•		99.8	99.6	99.
	5.00		1.8.0		1	·				•	<del> </del>	100.0		100.
		1 1 3 1	. 1	100.0	i					·	·	1.70.0	100.0	130
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		·' 		•	L							L		
	MEAN	35.7	42.1	46.3	1	61.9	70.9	79.2	77.1	71.3		46.4	39.6	57.
	S. D.	6.996	7. 02		1	7.298	7.287	4.824		i	7.791	6.973		15.77
i	TOTAL OBS.	(16)	1057	1193	1183	1216	1159	1184	1201	1142	1158	1135	1150	33967



**DAILY TEMPERATURES** 

YEAV

-ILLIAMS AFB AZ
STATION NAME

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ANNUAL
≥	- · · ·		• • • • • • • • • • • • • • • • • • • •				• 1	-					**	
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≥	- , <u>-</u> - , -		+		•	• 2	6.3	16.7	4.9	2.3	·		+	<u></u>
<u>-</u>	· · ·		+		• • • • • • • • • • • • • • • • • • • •	2.8	26.7	66.3	45.8	15.8	• 1	-	†	13.3
<u>-</u>	· · · · · · · · · · · · · · · · · · ·		+		• 3	9.1	58.9	94.2	85.3	49.6	3.1		•	<del>2</del> 5.4
<u>-</u>	·		<u> </u>		4.3	33.0	83.5	99.5	97.9	80.4	19.7	• 2	• •	35.
- -	·		• 1	. 9		65.3	96.ũ	100.0	99.8	95.7	42.5	• 5	+ +	- 43-
•		-	• 8	5.9		83.7	99.7	-	190.0	99.2	75.5	6.3	• 2	51.
	· r		6.6	22.1		94.4	100.0			99.9	85.9	26.7	1.0	59
	. 4	8.	24.9	51.1	84.9	98.8			<u> </u>	100.0	94.9	55.5	11.3	69.
:	· • • • •	3 <b>5.</b> 9	55.1	76.4	95.8	99.9				10000	98.6	79.1	39.0	<u>-</u>
	•	64.1	81.5	92.5		100.0		ļ			99.5	94.2	70.8	92.
	4	85.9	94.3		100.0		l		···		99.9	99.2	91.3	97.
:	- · · · · ·	6.6	<b>↓</b>	99.8							100.5	99.9	98.3	99.
:	35 "	79.3		100.0	•		+		· ·		10010	100.0	99.3	99.
		100.0	÷ • • • • •									10000	106.0	100.
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	**		4 .	• -	ł		ļ. · — ———		<u></u>				ļi	
	MEAN	· · · · · · · · · · · · · · · · · · ·	55.2	59.4	67.6	76.4	85.5	90.9	65.7	84.1	72.7	63.0	52.6	73.
	S D	. 101			7.269							6.508	5.852	15.27
	TOTAL OBS.	116	1 57				1159	1184	1201	1142	1188	1135	1150	13968

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



GLOBAL CLIMATOLOGY BRANCH CEAFETAC AT . MEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2 104 WILLIAMS AFB AZ
STATION STATION NAME

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WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTH	15
42			9 C	94	108	111	114	108	106	101	87	81		
43	76	93	92	101	104	108	112	105	107	98	87	77		112
44	80	78	82	90	99	110	108	112	105	99	87	75		112
45	79	8.0	85	96	99	108	113	108	111	94	86	74		111
46	77*	73¦		98	98	108	110	110	106	90	81	80		
47	76	88	88	95	108	107	113	110	111	100	90	76		113
48	8.0	8 3	82	99	101	110	112	111	110	100	82	75		112
49	69	81	82	98	104	110	110	109	107	96	91	8.0	Ĺ	115
5	80	8 3	89	97	100	113	112	111	113	102	86	83		113
51	84	84	84	95	110	108	112	107	104	99	80	76		112
5.2	73	77	81	95	102	110	110	108	108	101	87	77		110
53	84	8 O	90	97	99	111	113	109	107	103	92	76		113
54	81	86	86	98	101	110	112	108	109	101	89	78		112
5 <b>5</b>	74	79	87	9 2	103	114	112	105	108	101	87	84		114
56	84	77	93	92	107	112	110	106	105	100	89	75		112
5 7	7.0	89	8.5	92	99	114	113	107	105	100	79	78		114
5 8	76	84	81	99	109	109	116	107	105	99	8.5	82		116
59	78	77	84	97	100	111	111	104	105	101	8 3	82		113
6	75	74	90	93	106	111	109	108	106	96	87	75		11
<b>51</b>	* 78			95*	98*	110*	108	105	97*	96	74*	73	*	110
6.2	* 75*	77*	88*	97*	99*	109*	105*	110+	106*	95*	86*	78	*	113
63	* 76		83*	91	102	103	108	103	103	99	8.6	75		108
64	72	73	89	93	101	108	108	105	102	97	85	70	_	108
65	77	80	89	99	102	103	110	108	100	96+	88 *	81		110
66	* 7J*	70	88	91*	99	109*	107	106*	102	924	85*	75		109
67	* 76ª	8.0	87	84	103	106	108	105	100	94	91*	67	*	108
<b>6</b> 8	* 72	82	86	90*	102	112*	106	100+	105	924	79*	75		112
69	* 704	75*	9	94*	103	107*	110	110*	106	94*	* BD	75		110
70	* 724	82	78	88*	106	117+	110	109+	106	90*	82*	78		117
71	* 844	8.2	93	91*	96	108*	111	102*	112*	924	87*	71		112
MEAN														
S. D.														
TOTAL OBS														

NOTES \* (BASED ON LESS THAN FULL MONTHS)

0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC



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CLOBAL CLIMATOLOGY BRANCH SAFETAC AIR WEATHER SERVICE/MAC

#### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2 104 WILLIAMS AFB AZ
STATION STATION NAME

#### WHOLE DEGREES FAHRENHEIT

MONTH	J	AN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
72	*	74	* 82	92	94*	98	112+	114	114*	104+	103	* 79	* 74	* 11
73	*	74	× 75	7.3	93*	103	113*	112	108*		96	<b>*</b> 85	* 80	11
74	*	75	* 81	86	90*	107	112*	109	105*	106+	100	81	* 71	11
75	*	79	76	80	86	98	103	107	109	101	96	<b>*</b> 91	8.0	10
76		81	80	86	90	100	105	111	105	98	92	85	75	11
77		76	86	84	93	105	108	106	107*	105*	98	<b>*</b> 87	<b>*</b> 77	10
78	*	71	* 80	89	90*	103	107+	111	103*	101*	98	<b>87</b>	* 70	* 11
79	*	67	× 76	79	90+	99	110*	107	103*	106*	96	* 83	<b>*</b> 78	11
<b>4</b> 7	*	71	<b>*</b> 80	74	96*	98	110*	110	107	103*	103	<b>+</b> 91	* 82	11
81	*	74	* 84	85	96*	96								
														-
MEAN		77.4	81.3	85.4	93.7	102.6	109.4	110.8	107.1	106.2	97.3	85.7	77.6	111.
S. D.		249			3.873	3.640	3.122	2.314	2.947	3.420	3.754	3.454	3.422	1.74
TOTAL OBS		1176	1057		1193	1216	1150	1184	1201	1142	1188	1135		1398

NOTES + (BASED ON LESS THAN FULL MONTHS)

0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC



GL 38AL CLIMATOLOGY BRANCH SAFETAC ATR WEATHER SERVICE/MAC

#### **EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2 104 WILLIAMS AFB AZ
STATION STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
42			33	38	45	60	68	64	64	44	37	35	
4.3	29	32	38	4 3	51	59	68	72	59	45	38	34	2
44	28	32	35	42	51	5 5	70	72	62	5 3	32	31	2
4 5	29	3.3	35	37	52	56	73	72	55	44	36	29	2
46	30	- 1		42	57	66	68	69	62	45	30	30	
47	24	33	41	4.5	5 3	64	74	7.0	63	49	30	29	2
48	22	24	33	41	53	59	74	71	64	46	30	25	2 2 2 2 2
49	22	27	36	38	54	59	73	67	6.8	36	43	27	2
50	20	36	38	42	44	54	73	68	5 7	52	37	32	2
51	23	30	30	40	4 3	5.8	71	6.5	62	42	35	28	2
52	27	30	32	48	58	6 3	70	71	59	52	33	30	
5.3	32	24	38	35	46	5 7	71	67	52	42	31	26	2 2 2 2 3
54	29	34	32	47	48	56	70	68	63	42	39	23	2
5 <b>5</b>	27	24	31	35	45	5 3	67	69	57	46	34	34	2
<b>5</b> 6	34	28	30	41	50	64	67	6 3	66	38	22	25	2
5 7	33	32	38	41	44	59	73	67	59	50	34	33	3
58	29	36	37	40	56	6 3	72	75	60	49	30	33	2
59	31	35	37	50	47	60	76	73	58	43	39	32	3
60	28	28	38	40	51	67	71	71	5.5	45	36	24	2
61	<b>*</b> 32			421									* 3
62	<b>*</b> 23			474	- 1		71					~ ·	* 3 * 2 * 2 2 * 2 * 2
63	<b>*</b> 22			42	55	5 7	71	71	63	54	38	29	* 2
64	20	26	30	37	43	5 8	72	67	59	50	33	28	2
65	30	28	29	40	40	5.5	72	66*	50	46			* 2
66	<b>*</b> 29		24	4 D		58*	- 1	71*		4 3	- 1	,	* 2
67	<b>*</b> 20		34	41		58*	73	73*		44			* 2 * 2
68	* 30		36	354		54*	- 1	59*		44	32	21	* 2
69	<b>*</b> 26			464		62*		74*		44:			* 2
70	<b>*</b> 24		35	36		61*	,	74+	1	37		- u	* 2
71	<b>*</b> 17	<b>*</b> 29	24	45	5.0	54*	71	71*	56*	34	35	28	* 1
MEAN													
\$. D.					I		I						
TOTAL OBS		110355	_ I					1	T				

NOTES # (BASED ON LESS THAN FULL MONTHS)

FORM CHES THAN 24 OBS) USAF ETAC



SLOBAL CLIMATOLOGY BRANCH LNAFETAC AIR WEATHER SERVICE/MAC

## EXTREME VALUES

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

2 104 WILLIAMS AFB AZ
STATION STATION NAME

WHOLE DEGREES FAHRENHEIT

MONTH	ı	AN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
72	*	22#	24	37	42*	51	68	* 74	73	60*	39	* 34	27	<b>*</b> 2:
73	*	27	33	35	38*	48	61	* 69	68	- 1		1		* 2
74	*	25*	28	35	39*	43	61	* 68	67	65*	43	35	26	* 2
75	*	27	27	35	34	39	62	70	67	59	35	* 34	31	<b>*</b> 2
76		23	34	33	37	52	55	71	66	61	43	31	30	2
77		29	29	30	35	48	63	74	73	64	5 3	* 40	35	21
78	*	32	41	43	42*	52	63	* 66	70	57	56	<b>*</b> 39	24	* 2
79	*	30		39	38*	45	56	<b>*</b> 68	62	£ 64*	43	* 31	32	* 3i
<b>9</b> û	*	33	34	40	38*	47	59	* 73	70	62	47	* 40	35	* 3
81	*	36	32	43	47*	56				-				
														<del></del>
		_												
		_												
MEAN		7.2	30.1	34.7	40.4 3.996	49.0 5.276	59.4	71.0	69.1	60.3	44.9	34.0	29.5	25.
S. D.		160	1057	1193	1183	1216	3.847	2.336	1201	3.759	1188	1135	3.369	3.64

0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS) USAF ETAC



GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION PSYCHROMETRIC SUMMARY LEAFETAC AT - FEATHER SERVICE/MAC 2 1114 wILLIAMS AFB AZ 70,73-81 STATION PAGE 1 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point c/ 61 ./ 59 5**5** . 4 6 4/ 53 15 51 1.3  $\mathbf{II}$  $\mathbf{II}$ 50/ 49 2.1 1.3 1.3 • 9 18 18 4 -/ 47 3.0 21 21 10 4 3/ 45 2.6 . 9 22 22 21 6 3.4 . 4/ 43 20 21 23 8 62/ 41 3.4 3.4 1.7 22 22 16 10 3 / 39 5.1 17 3 4/ 37 2.6 1.7 17 17 30 1.7 15 3. 35 1.3 28 14 14 21 3-/ 33 1.3 1.7 1.7 11 11 17 14 19 3: 1.7 1.3 23 ./ 29 27 13 13 2 25 14 **2**3 13 19 2/ 21 19 13 10/ 17 7 15/ 15 4/ 13 5 1 / 11 7 5/ 5 3 ₹ TOTAL .923.930.820.914.5 5.1 235 234 ತ 234 234 0.26-5 15570 No. Ohn. Mean No. of Hours with Tomperatu Element (X) 66.516.982 110319 Rel. Hum. 234 ± 32 ₱ 439796 10028 42.7 7.125 235 7.9 Dry Bulb 350102 8904 38.1 6.762 234 21.9 Wet Bulb 49.7 7367 31.5 7.778 234 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2'104 WILLIAMS AFB AZ 70,73-81 JAN
STATION STATION NAME YEARS MONTH

PAGE 1 0600-0800

Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 20	29 - 30	* 31	D.S./W.S.	Dry Bulb 1	Wet Bulb	Dew Pe
72/ 61							• 1											1	1		
t / 59				• 1	• 1	• 1	. 1		<u> </u>	i							L	4	4		<u></u>
5 / 57				• 3	• 1			• 1		Ĭ								4	4		
5 o/ 55		• 5	. 8		• 5	. 3	• 1	• 3	1	<u> </u>					L			19	19		<u> </u>
14/ 53		1.3	1.2	• 3	1.6			• 1										37	37	8	
2/ 51		1.1		. 8		. 5		. 4	L									38	38	19	1
50/ 49	• 1			• 5		ì				J	]	]		]	!!		j	52	52	23	
40/ 47	• 1	1.1	2.2	8	• 3			<u> </u>		<u> </u>				L				44	44	29	
#/ 45	. 1		4.6	• 5				i										80	80	53	
-4/ 43	• 3	1.6	3.4	2.0	. 7	• 3			<u> </u>	<u> </u>								62	62	54	
2/ 41	• 1	1.4	3.3		• 8	. 3									[ [		•	64	64	66	
4 / 39		2.1	4.2		1.4	.7	<u>'l</u>	<u> </u>	<u> </u>									91	91	62	
36/ 37	• 3	2.5	3.9	2.6	• 7	- 1	.	ļ.	Ì						i		l	77	77	93	
3 5 35		1.6	-	2.9	• 3		L	L	ļ									54	54	77	
3+/ 33	. 1		2.0		• 1	İ									l i		ł	48	48	71	
12/ 31		5	2.8	. 8						Ļ					L		L	32	32	74	
29	. 1		. 8			1	1	[		[			1		[			21	21	46	1
25/ 27		• 8	• 5	• 5			ļ		ļ	<b></b>								14	14	37	
76/ 25		1.1	• 7	• 1			l										ŀ	14	14	20	
4/ 23		- 1	• 5			L	ļ		Ļ	<u> </u>								5		13	1
2/ 21						}	ł		l	ł		}		}	}		1	1	- 1	13	
2 / 19							<b>└</b>	ļ	ــــــ	-				-	$\longrightarrow$				$\longrightarrow$		2
13/ 17							1				1						l		- 1		1
16/ 15						ļ	<b>├</b>			<b>-</b>								<del>                                     </del>	<del></del> +		<del>├─</del> ┇
4/ 13									ļ								ŀ	1 1	- 1		
13/ 11						<b></b>	├	<b> </b>		<del> </del>	-	-					<b></b> -	<del>{                                    </del>	——∔		
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5/ 5							├		<b>├</b> ──	<b>├</b>		-						<del></del>	<del></del>		<b>├</b> ─
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CTAL	1 2	22.3	24 0	20	10 3		2.3	. 9	ļ	1									761		76
CIAL	103	22.3	30.0	20.6	10.2	3.4	204	• '	1	<del>                                     </del>		-						761	-/01	761	
									ĺ						1						
Element (X)		27,			2 1		ı	•		No. O								h Temperet	<i>y</i> re		
Rel. Hum.			5279		511			16.4			61	2 0 F		32 F	= 67	•	73 F	- 00 F	• 93 F		Total
Dry Bulb			2275		316	1		7.			61			10.5							9
Wet Bulb			4439		283						61			25.2					1		ç
Dew Paint		79	5344		234	67	30.	7.7	33		<b>51</b> [		-1	53.2				1	1	T	5

ETAC FORM 0.26-5 (O) A) BW

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

**新**专

#### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 70,73-81

3930-1100

PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.S. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) / 71 69 67 65 4/ 63 30 30 2/ 61 1.0 / 59 . 8 1.3 53 53 57 1.4 1.1 95 95 4/ 53 2.1 101 101 27 6 1.2 44 92 92 12 2/ 51 2.8 1.1 49 2.7 2.6 1.2 • 3 107 107 69 18 . 6 82 111 27 82 ./ 47 - / 45 2.4 2.8 1.8 1.3 90 90 119 36 1.1 1.6 53 54 53 106 -4/ 43 1.3 42/ 41 1.1 46 46 117 62 • 6 40/ 39 28 106 28 87 22 55 37 22 68 3 4/ 35/ 35 17 72 40 34/ 33 68 26 12/ 31 66 •2 11 30/ 29 6 C / 27 64 26/ 25 41 37 24/ 23 2/ 21 1 =/ 17 14/ 13 6 12/ 11 Element (X) \*47 F \* 73 F \* 80 F ≥ 93 F Rel. Hum. 10F # 32 F Dry Bulb Dew Point



**ELOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB AZ 70,73-81 PAGE 2 0900-1100 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) 1 1 -1 900 900 .3 6.918.321.618.214.2 9.9 7.1 2.3 TAL 900 900 0-26-5 (OL A) 56.117.814 50.2 7.023 42.8 6.011 3115197 50467 900 267 F 273 F 280 F Rel. Hum. 10. 1 32 F 900 45149 Dry Buib 1684311 38557 900

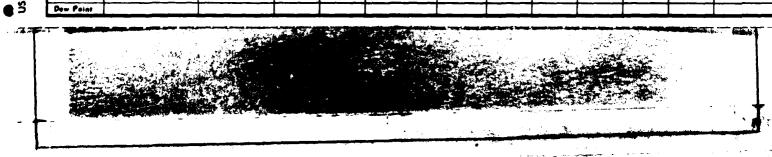
GLOBAL CLIMATOLOGY BRANCH SAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 70,73-81 JAN

STATION STATION NAME YEARS PAGE 1 1200-1400
HOURS (L. S. T.)

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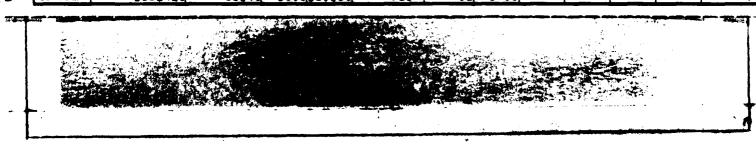
GLOBAL CLIMATOLOGY BRANCH
US AFETAC
AIR WEATHER SERVICE/MAC

2 104 WILLIAMS AFB AZ

# **PSYCHROMETRIC SUMMARY**

| 2 | 10 4 | WILLIAMS AFB AZ | 70,73+81 | JAN | MONTH | PAGE 2 | 1200-1400 | HOURS (L. S. Y.)

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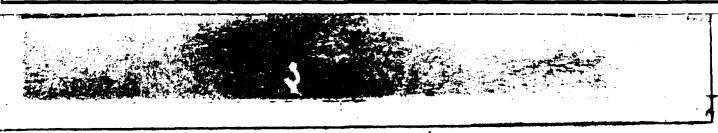
GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 70,73-81 JAN

STATION STATION HAME YEARS PAGE 1 1500-1700
HOURS (L. S. T.)

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
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GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC WILLIAMS AFB AZ 2 104 70,73-81 JAN 1500-1700 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) 1 4/ 13 ./ 11 13 7 7 1.1 1.6 5.5 6.912.714.212.915.213.1 8.5 5.1 2.3 TAL 822 Element (X) 37.016.623 1349151 30373 822 Rel. Hum. 2 0 F 1 32 F ±67 F = 73 F = 80 F = 93 F 61.9 6.568 48.3 4.657 32.910.004 822 Dry Bulb 3182300 50860 1933452 39682 Dew Paint

14.2 GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** US AFETAC AIS WEATHER SERVICE/MAC 2 1334 WILLIAMS AFB AZ 70,73-81 STATION NAME YF ARS STATION MONTH 1850-2000 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 4/ 73 • 2 69 • 2 6./ 67 14 24 24 65 1.1 • 6 1.2 1.1 4/ 63 1.5 2.0 2.5 5**5** 55 1/ 61 1.4 2.5 / 59 1.2 1.5 2.5 . 2 82 82 . 6 3.1 1.2 57 1.4 1.4 3.2 2 • 1 1.4 76 76 5 / 55 2.8 2.6 2.8 85 85 2.3 .6 4/ 53 2.1 2.9 2.3 2.5 84 84 23 1.5 1.5 58 58 67 2/ 51 . 3 1.8 1.7 50/ 49 1.4 1.7 1.4 54 54 98 14 • 2 2.3 29 96 29 . 8 • 9 18 4 3/ 47 1.2 . 8 25 109 4./ 45 1.1 25 33 • B 12 4/ 43 12 76 2/ 41 46 45 52 4 / 39 42 73/ 37 31 71 \*:/ **35** 20 3-/ 33 11 3 7 2/ 31 5.5 29 *31* 27 3 % **3/ 25** 4/ 23 31 2/ 21 24 ₹ 19 1// 17 ٤ : 4/ 13 1 / 11 7 Element (X) Meen No. of Hours with Temperatu Rel. Hum. 2 0 F s 32 F ×67 F × 73 F × 80 F ≥ 93 F Dry Bulb Dew Paint

Final Cons

FORM D-26-5 (O.L. A) REVISED REVICUS EDITIONS OF THIS FORM ARE ORGOLETE

Element (X)

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2039760

1369967

795744

Rel. Hum.

Dry Bulb

Wet Bulb

USAFETAC

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WILLIAMS AFB AZ

### **PSYCHROMETRIC SUMMAR**

≥ 67 F = 73 F = 80 F

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GLURAL CLIMATOLOGY BRANCH 4FETAC

2 114

STATION

USE WITH CAUTION ATT REATHER SERVICE/MAC SEE FIRST PAGE \*ILLIAMS AFB AZ

STATION NAME

PSYCHROMETRIC SUMA

VF ARE

PAGE 1

21-6 HOURS WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. | Dry Bulb | Wet Bulb 4/ 53 \_/ 61 . 4 5 Q 1.4 . 4 1.8 / 57 1.1 . 4 1.3 .4 2.1 1.1 .7 2.5 1.8 18 18 -/ 53 2.5 1.1 25 ۲. 1 1.8 2.8 2.8 3.9 1.8 1 40 5.0 1.4 3.2 2.5 40 2.5 2.1 4.3 47 2.5 34 34 2.5 2.1 2.5 1.8 / 45 26 26 3.2 2.5 2.1 4/ 43 28 28 2/ 41 . 7 4 . 3 2.1 21 21 : / 39 . 7 35 1.1 3 / 37 1.1 . 7 1 . 1 8 / 35 1.8 6 3 / 33 . 7 14 31 27 ./ 25 1 23 19 / 17 1.5 1 ./ :/ 13 1 / 11 5 4/ ·7 3·221·718·123·517·4 7·5 5·3 2·5 TAL 281 281 Element (X) No. Obs. Mean No. of Hours with Temperature 55.016.936 931219 Rel. Hum. 15463 281 = 67 F = 73 F = 80 F = 93 F 10F ≤ 32 F 13612 48.4 6.176 670062 Dry Bulb 281 485514 11578 6.0 Dew Point 306333 8933 TIAN RACK 48.0

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CLUFAL CLIMATOLOGY BRANCH USAFETAC ATT MEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

AILLIAMS AFB AZ STATION STATION NAME PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) Temp TOTAL TOTAL D.B./W.S. Dry Sulb Wet Bulb Dew Pein (F) 0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 / 81 . . 1 79 • [ 7 / 77 . 1 • 0 73 50 50 71 53 53 69 • 1 84 84 67 • 0 124 124 5/ 65 • 5 202 202 . 2 . 3 4/ 63 . 4 . 0 200 200 . 8 51 1.0 • 1 291 291 6.9 359 359 57 1.8 • 6 336 336 . 2 1 .5 ر 9 389 389 374 374 . 6 1.8 1.3 1.1 322 427 1.1 322 **3** : 1.7 1.1 326 1.1 1.3 1.0 1.1 • 3 326 516 8 3 557 / 47 244 244 . 9 267 . / 45 1.7 1.0 267 536 188 4/ 43 1.2 . 2 • 2 178 179 431 243 . 6 1.0 395 21 41 1.1 163 163 39 320 1.2 410 166 166 37 1.7 124 124 301 364 91 91 / 35 229 350 33 66 66 777 162 3/ 31 340 132 44 44 29 33 33 204 • 2 • 3 • 1 298 ./ 27 18 18 ./ 25 28 275 4/ 23 196 2/ 21 22° / 19 172 1 :/ 17 81 60 Element (X) Rel. Hum. ≥ 73 F ± 32 ₽ a 67 F - 80 F + 93 F Dry Bulb Wer Bulb

DBM 0.26-5 (OL.A) BEYIND MEYIDUS EBITIONS OF THIS FORM AL

SAFETAC 1084

EL 38 AL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** . 1 AFETAC A - WEATHER SERVICE/MAC WILLIAMS AFB AZ JAN 70,73-81 PAGE 2 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point / 17 / 11 7 .4 7.214.614.413.313.010.9 8.7 7.5 5.2 2.7 1.4 4552 • 1 4551 4551 ₹ ĝ 0-26-5 1 2 2 3 X /<sub>A</sub>
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GLUBAL CLIMATOLOGY BRANCH . AFETAC ALL #EATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

#### **PSYCHROMETRIC SUMMARY**

HILLIAMS AFB AZ

70,73-81

FEB

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

2 10.4 WILLIAMS AFB AZ 70,73-81 FEB
STATION STATION NAME VEARS MONTH

PAGE 1 0600-0800

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SAFETAC NOM 0-26-5 (OLA)

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BLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC .04 WILLIAMS AFB AZ FEB 70,73-81 STATION YEARS STATION NAME 0698-0800 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Teme. TOTAL 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 \*31 1.1 12.6 24.0 25.9 17.3 9.4 5.2 2.5 .8 .7 .4 D.B./W.S. Dry Bulb Wet Bulb Dew Point (F) 713 713 Q 0.26.5 2819269 X 60.118.592 45.2 6.671 39.3 6.608 Element (X) 42833 713 ±67 F = 73 F ≤ 32 F ▶ 80 F Rel. Hum. 32253 1490671 713 Dry Bulb 2.2 84 12.1 1132086 28018 713 84 Wet Bulb 22039 30.910.639 84 Dew Point

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

2 1:4 #ILLIAMS AFB AZ

## **PSYCHROMETRIC SUMMARY**

70,73-81

FEB 0900-1100

PAGE 1

	HOURS (L. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL														L. S, T.)							
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USAFETAC NOTE 0.26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH SAFETAC PSYCHROMETRIC SUMMARY ALE WEATHER SERVICE/MAC 2 104 FEB wILLIAMS AFB AZ 70,73-81 0900-1100 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point Temp. 3.0 9.413.414.915.114.911.0 8.9 3.2 3.3 1.7 820 820 820 820 # "4 47.419.244 55.6 6.708 45.6 5.369 Element (X) Mean No. of Hours with Temperature ± 67 F = 73 F = 90 F 2143077 38841 820 Rel. Hum. . 0 . # 32 F 2574991 45621 820 Dry Bulb 1731511 37423 8 20 1.0 Wet Bulb 33.710.409 84

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 70,73-81 FEB MONTH
STATION STATION NAME YEARS PAGE 1 1200-1400

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Rel. Hum.									<del></del>			201	<u>'                                    </u>	32 F	= 47	<u> </u>	73 F	- 00 F	• 93 (	<u>'-</u> '	Total
Dry Bulb						$\dashv$							-			-			+	$-\!\!\!\!+\!\!\!\!-$	
Wer Bulb									-				-		<b></b>			<u> </u>	+		
Dew Paint		<u> </u>													<u> </u>						



GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

FEB

27104 WILLIAMS AFB AZ STATION PAGE 2 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.S./W.S. Dry Sulb Wor Sulb Dow Point 1./ 15 19 1 13 23 1 / 11 14 10 ·5 1 · 8 4 · 6 4 · 9 8 · 0 1 1 · 1 1 5 · 2 1 1 · 8 1 3 · 1 1 0 · 8 8 · 9 4 · 5 2 · 9 1 · 1 TOTAL 822 822 822 No. Obs. Element (X) Mean No. of Hours with Temperature 34.017.061 Rel. Hum. 1186760 27912 822 +67 F +73 F +80 F +93 F 10 F 1 32 F 64.7 6.804 3473876 53144 822 Dry Bulb 84 2032813 40703 822 84 Wer Bulb 32.710.625 26866

70,73-81

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GLORAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 2 124 FEB WILLIAMS AFB AZ 70,73-81 STATION YEARS PAGE 1 1550-176C HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dow Point 85 4/ 83 .1 1.1 ./ 81 13 / 79 2.2 37 1.1 1.3 77 30 30 . 4 1.1 75 1.8 42 42 1.1 73 1.3 2.0 51 3.2 2.8 1.6 88 2.5 69 1.5 2.6 73 73 • 7 4-7-67 1.7 2.1 1.1 2.9 1.3 80 6/ 65 1.3 1.6 2.6 1.1 72 1.6 1.1 1.7 2.0 4/ 63 1.1 62 62 61 69 59 . 8 . 8 47 47 57 39 39 34 5./ 55 19 19 73 4/ 53 16 149 • 1 0 125 27 51 133 19 5:/ 49 4 / 47 105 45 14/ 43 .2/ 41 53 4 / 39 37 55 :J/ 35 43 34/ 33 2/ 31 48 õ 29 :/ 27 0.26.5 ℃/ 25 34/ 23 42 2/ 21 42 1/ 19 Element (X) Rel. Hum. ≥ 67 F = 73 F = 80 F Dry Bulb Wet Bulb Dew Peint

GLOBAL CLIMATOLOGY BRANCH OF AFETAC ATH WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ
STATION NAME

70,73-81

FEB

PAGE 2

YEARS

1500-1700

																				HOURS (	
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>*</b> 31	D.S./W.S.	Dry Bulb	Wet Bulb	
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by Bulb			9036		511			7.1			58		L		46	• 7	19.9	4 .	<u> </u>		Ċ
for Bulb			1090		382			4.2			58										٤
Dew Point		A 4	8852	_	240	6.8	31.8	10.5	76	7	58			43.2					1		3

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMAR**

2 1 14 WILLIAMS AFB AZ 70,73-81 STATION STATION HAME PAGE 1 1800-200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Po-/ 81 / 79 7 / 77 . 8 • 2 11 11 1/ 75 73 1.5 . 8 2**2** 22 • 6 / 71 24 1.5 38 38 69 1.5 / 67 1.8 53 5 3 2.3 • 6 1.9 6/ 55 1.1 1.1 1.9 1.1 1.8 61 61 . 3 1.6 1.0 1.8 4/ 63 . 6 2.1 1.0 54 54 1.1 1.6 1.8 2.1 1.3 67 67 1.9 2.6 / 59 1.5 1.1 2.3 1.1 75 75 . 6 . 8 57 1.3 1.6 1.3 1.6 1.5 60 60 . 5 5 / 55 51 51 53 33 33 71 . 8 23 102 1/ 51 23 49 1. 7 99 - ./ 47 77 4.7 45 4/ 43 61 2/ 41 36 4 / 39 17 3 / 37 ./ 35 33 2/ 31 : 1 24 s/ 27 (OL A) ../ 25 ~ 4/ 23 2/ 21 1/ 17 1:/ 15 Element (X) ± 67 F = 73 F = 80 F = 93 F Rel. Hum. 2 0 F 1 32 F Dry Bulb Wet Bulb Dew Point

A FATHER SERVICE/MAC 104 WILLIAMS AFB AZ 73,73-81 STATION NAME 1800-1 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb De ·/ 13 1 / 11 4.1 6.8 6.8 8.911.515.612.611.710.0 6.5 2.3 2.1 617 IAL 617 617 į

62.1 6.940 48.3 4.742

32.610.485

22759

38341

29815

1041029

2412215

1454585

724403

No. Obs.

617

617

617

617

± 32 F

42.5

PSYCHROMETRIC SUMMI

Mean No. of Hours with Temperature

6.9

22.6

467 F 473 F +80 F +93 F

USAFETAC NORM 0-26-5 (OLA) REVISED MENTOUS EDITIONS OF I

Element (X)

Dry Bulb

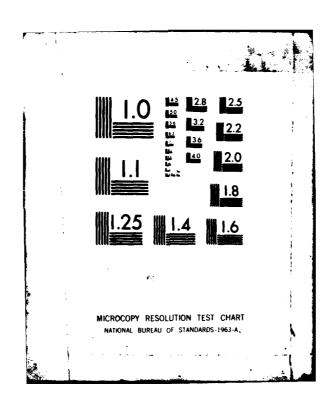
Wer Bulb

Dew Paint

GETBAL CLIMATOLOGY BRANCH

STAFETAC

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2 WILLIAMS AFB, ARIZONA REVISED UNIFORM SUMMARY OF SURFACE WEATHE--ETC(U) USAFETAC/DS-81/096 S8I-AD-£850 129 NL AD-A110 246 UNCLASSIFIED 4 " 5



GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

2 104 WILLIAMS AFB AZ
STATION NAME
STATION NAME

70,73-81

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FEB

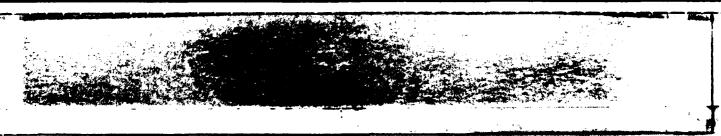
PAGE 1

2100-2300 HOURS (L. S. T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>* 31</b>	D.B./W.B.	ry Bulb	Wet Buib	Dow Pa
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6/ 65									. 4					ł				1	1		
4/ 63					. 4		1.1	. 7	.7	. 7	4							11	11		
1/ 61						. 4	. 4	. 4	. 7	1.1	.7	l l						10	10		İ
- / 59				1.5	. 7	2.2	1.5	• 7	1.1	. 4								22	22		
/ 57			. 4	1.5		2.6	1.5	2.6	1.1	. 4					L			27	27		
51/ 55		1.1	1.5	1.5	1.1	2.2		1.8	2.6	1.1		ĺ						38	38	1	
4/ 53			2.2	2.2	2.6	1.8	3.7	2.9	. 7	<u> </u>								44	44	12	
J/ 51		. 4	2.2		2.2	2.6	2.9	1.5	. 4	Ī		1 ]						39	39	15	
5_/ 49		1.1	• 7	1.8	2.2			1.5										29	29	22	
7 47		• 4	1.5	. 7	. 4	2.6	.7											17	17	32	
16/ 45		1.1		1.8	2.2	. 4	1.1			L		$\sqcup$						18	18	33	
4/ 43			1.1	1.1	. 4													10	10	41	1
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TAL		4.0	9.5	15.0	12.8	17.9	15.8	12.1	8.1	3.7	1.1							1	273		2
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el. Hum.			5647		129		47.5				73	201	'   '	32 F	+ 67		73 F	- 80 F	• 93 F		Total
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er Bulb			9962		119		43.8				73			1.2							
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AFETAC NOW 0.26-5 (OLA) W

USAFETAC NOW A 24 C



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ 70,73-81 FEB PAGE 1

																_				HOURS (	., S, T.)
Temp.											SSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	7 - 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	> 31	D.B./W.B.	Dry Bulb 1	Wet Bulb	Dew Point
-6/ 85																	•0	1	1		
- 4/ 83													.0	.0	.0	. 1		9	9		
./ 81														• 1	• 2	• 1	1	17	17		
/ 79											• 0	. 1	• 2	• 5				47	47		
77777											. 2	• 1	• 3		• 2			60	60		
o/ 75										• 1	. 2		.7		• 1		L	89	89		
74/ 73		1						• 0	. 1	• 3	.6	. 9	. 7				·	125	125	1	ì
- 2/ 71							.0	• 1	5	. 5							L	165	165		
7 / 69						- 1	• 2	- 6	. 7	• 6	1.3	. 9	• 5		1			205	205		
6:/ 67					.0	• 3	- 4	. 9		. 9		. 9	•0	ļ			<u> </u>	248	248		
-6/ 65	ļ			• 2	• 2	. 4	- 8	1.4	. 9	1.1	. 8	4	Ì	1 1	}		}	261	261	}	
: 4/ 63		<b></b>	•0	• 3	• 3	. 5		. 9				_		$\vdash$	<u> </u>		<u> </u>	265	265		
/ 61		.	• 1	• 3	• 5	1.1	1.1	1.2		. 8		•0						285	285	<b>.</b>	
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6/ 25						I								i I					T	1 🗣	277
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Rel. Hum.					<del></del>	-						10		1 32 F	± 67	<del>-   •</del>	73 F	+ 90 F	- 93 F	<del></del>	Tetal
Dry Bulb						——			}	_	<del></del> +		→						+		
Wet Bulb			<del>i</del>										+						+	<del></del>	
Dew Paint						ı			1		_1.		L					l	1	1	1



The state of the s GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC FEB WILLIAMS AFB AZ 70,73-81 YEARS STATION STATION NAME PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 26 29 - 30 a 31 D.B./W.B. Dry Bulb Wer Bulb Dow Pain 1:1/17 82 105 1 1 15 : +/ 13 115 71 11 35 7 29 ..7 5 15 4223 4223 .4 3.9 8.8 11.7 10.3 10.2 10.3 10.5 8.7 7.2 7.2 5.0 2.9 1.9 TOTAL 4223 4223 õ Element (X) No. Obe. Moon No. of Hours with Temperature 42.921.086 58.110.497 1 32 F = 67 F = 73 F = 60 F = 93 F 3 - 5 1 5 3 - 7 5 5 - 4 8 - 1 9640902 181070 Rel. Hum. 4223 4223 672 14696022 245146 Dry Bulb 23.4 9178906 194574 46.1 6.642 4223 672 Wet Bulb 672

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# USE WITH CAUTION PSYCHROMETRIC SUMMARY SEE FIRST PAGE

2:184 STATION

WILLIAMS AFB AZ
STATION NAME

70,73-81

Temp.						WET	AIII C	TEMPER	ATUPS	DEPO	ISSION	(B)						TOTAL		TOTAL	
(F)		1.2	3.4	5.4	7.8								23 . 24	26 . 24	27 . 20	20 . 30	. 31	0.8./4.8.	Dev Bulls		Daw P
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5 0/ 5 <b>5</b>		<del>                                     </del>	.8				. 8			<u> </u>	<u> </u>	1		†	1			16	16	3	
4/ 53		ŀ		. 4	-			.8	. 4	d	l						ł	13	13	2	l
: 2/ 51		. 4	2.8	. 8	1.6		1.6	.4	. 8			T -						25	25	5	
50/ 49		. 8	2.0	2.4	1.6	2.8	. 8	. 4		L		1	Ì	<u> </u>			<u>l</u>	27	27	6	L
4 1/ 47		1.6												-			Ĭ	41	41		
45/ 45		1.6															<u> </u>	36	36		
64/ 43	- 4					T 21	1.6											30	30	33	
62/ 41		2.0														<u> </u>	<u> </u>	17	17		
4 / 39	_	.8			1.2	. 4	1										1	10	10		
3 / 37	• 4	1.6					<del>   </del>			<b>└</b>		—	<u> </u>	<u> </u>	<b>└</b>			8	8	27	
7./ 35			- 8	Í	1.2	Ì											1	5	5	18	
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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2 134 HILLIAMS AFB AZ

70,73-81

MAR

PAGE 1

0600-0800

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	ISSION (	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	13 - 24	25 - 26	27 - 26	29 - 30	+31	0.2.74.2.	Jry Bulb	Wet Bulb	Dow Po
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56/ 49		1.0		1.6		1.9		1.0				[ [	ļ			'	1	107	107	71	-
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Dry Bulb			205		385		48.1				OZ			٠Z	£	٠Z					9
Wet Bulb			7830		331			5.5			UZ			5.5				Ι	I	$\perp \! \! \! \! \! \perp$	5
Dew Point		92	<b>BUR</b> C		261	14	32.6	7.3	8 H		UZ			41.0	1				T	T	

AFETAC NOM A 24.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

2 T 10 4 WILLIAMS AFB AZ 70,73-81 MAR
STATION STATION NAME YEARS PAGE 1 0900-1100
HOURS (L. S. T.)

																					L. S. T.I
Temp.							BULB 1								· · · · · ·			TOTAL		TOTAL	
(F)	0	1 - 2	3 · 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 10	19 - 20		23 - 24	25 - 24	27 - 28	29 - 30	> 31	0.8./W.B.	Dry Bulb	Wet Bulb	Dow Po
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- / 81											• 1		• 1				L	2			
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72/ 77										• 2			. 3					10			
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74/ 73						• 1		_ • 2	• 1	. 2	. 3	. 3	• 5				<u> </u>	19			
73/ 71							• 1	• 2		. 5	. 3	• 3	. 3	<b>5</b> ]	1 1			17	17		ľ
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647 63		1 1			• 2	. 4	1.6	1.8		1.2	• 3	• 1						67	67	1	
2/ 61			• 1	.2	. 4	2.4	2.0							1	1_1			96	96	3	
^ / 59				- 4	1.4	2.3	2.7	1.5	1.1	• 8				1				94	94	11	
53/ 57			- 3	1.0	1.5	2.4		1.1	1.4	. 8								100			
5:/ 55			1.0	1.4	2.9	2.9	1.7	• 9	• 6	• 1				_				107	107	26	
4/ 53		.2	1.1	1.8	2.4	2.4	. 8	• 6	. 4					l	L			90	90		
2/ 51		. 2	1.6	1.4	1.3	. 8	- 4	• 5						I				59	59	133	1
53/ 49		.1	1.7	. 9	1.3	- 1	. 4	• 2						<u>1</u>				44	44	143	2
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Dry Builb									$\bot$		$\Box$ I										
Wet Bulb							I		$\perp$												
Dow Point																		I	T		

ETAC NOW 0-26-5 (OLA) ...

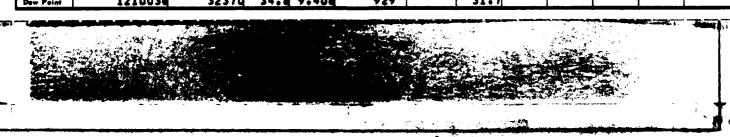
USAFETAC PORT

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 ' 10 4 | HILLIAMS AFB AZ | 70,73-81 | MAR | MONTH | MONTH | PAGE 2 | 0900-1100 | Hours (L. S. T.)

Temp.								TEMPER										TOTAL		TOTAL	
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Dew Point		171	0036	4	323	77	34,1				29			31.7	7	1 -			1		9



GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR MEATHER SERVICE/MAC WILLIAMS AFB AZ 70,73-81 PAGE 1 1200-1400 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.S. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) / 89 8/ 87 6/ 85 12 4/ 83 81 16 16 . 8 30 30 79 . 6 27 27 75 38 38 73 50 50 85 85 71 73 73 69 1.7 67 2.0 105 105 2.2 93 93 6.5 6/ 2.0 63 4/ 63 77 77 61 59 2.6 1.2 1.0 81 81 20 57 1.7 1.0 31 56/ 55 1.0 1.0 35 35 87 27 53 27 129 -2/ 51 21 21 164 49 156 17 • 1 1.0 • 127 47 20 46/ 106 49 42 44/ 43 41 23 62 42/ 39 93 37 92 33/ 36/ 35 107 34/ 33 69 12/ 31 72 29 45 31 28/ 27 751 25 39 24/ 23 26 Zz' Element (X) Meen No. of Hours with Tomperature Dry Bulb Wet Bulb Dew Paint

**PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC <u>2</u>7194 WILLIAMS AFB AZ 70,73-81 MAR STATION STATION NAME 1230-1400 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.S./W.B. Dry Bulb Wet Bulb Daw Point 40 21 32 28 10/ 17 13 11 11 2.2 4.8 4.8 7.1 9.411.713.110.511.810.2 6.3 4.1 2.6 TAL 930 930 930 930

930

930

930

#67 F #73 F

10 8

93

GLOBAL CLIMATOLOGY BRANCH

Element (X)

Dry Bulb

Wet Bulb

Dew Paint

1315732

4110493

2362478

31192

61331

46674

31025

65.9 8.421 50.2 4.645

33.4 9.57

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2:104 WILLIAMS AFB AZ STATION NAME

70,73-81

William Control of the Control of th

1500-1700

PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) / 89 8/ 87 6/ 85 . 8 15 15 . 7 19 1.6 25 25 81 79 36 1.1 77 1.6 47 47 1.6 2.5 55 55 75 2.3 2.0 1.3 73 60 72/ 71 1.9 1.8 2.5 80 80 69 2.1 75 2.3 . 8 86 86 53/ 67 1.6/ 65 50 50 44/ 63 55 . 8 1.9 + 2/ 61 1.4 2.0 54 54 59 57 30 19 19 85 56/ 55 53 27 155 2/ 51 157 50/ 49 121 11 47 115 48/ 25 46/ 45 88 44/ 43 31 42/ 41 21 4 / 39 37 62 96 30/ 35 34/ 33 105 29 41 25 761 24/ 23 29 Element (X) Ref. Hum. 100 + 67 F + 73 F = 20 F Dry Bulb



GLOBAL CLIMATOLOGY BRANCH US AFETAC ATH REATHER SERVICE/MAC

WILLIAMS AFB AZ

STATION NAME

25352

58094

43163

987506

4020430

2199595

29.716.595

68.0 8.964 50.5 4.599

2 1104

STATION

Element (X)

Dry Bulb

Wet Bulb

### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

≥ 67 F = 73 F = 80 F = 93 F

MAR

MONTH

PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Peint 2/ 21 35 . 5/ 17 35 1 :/ 15 16 13 1./ 11 8 7 2.8 2.7 6.4 6.7 9.010.411.512.411.710.7 5.4 5.0 2.2 854 854 TOTAL 854 854 ಠ

70,73-81

YEARS

Dow Point 937535 27147 310 90351 854 4605

No. Obs.

854

854

GUGBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMAR** AIR WEATHER SERVICE/MAC "ILLIAMS AFB AZ 73,73-81 MAR STATION STATION NAME MONTH 1800-200 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Po (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 \* 31 8/ 87 6/ 85 • 3 83 . 1 18 \ 1 77 75 25 25 • 1 1.7 40 71 39 1.4 1.5 1.1 • 6 / 69 1.8 2.4 2.0 60 60 2.7 2.8 1.1 1.0 . / 67 • 8 62 62 . 8 2.7 1.4 1.8 5/ 65 2.1 67 67 1.7 2.2 1.3 63 1.3 1.1 56 56 2 • 5 2.2 1.7 - 8 / 61 1 - 4 76 . 6 ΕĠ 1.0 1.3 1.7 1.7 - 8 • 6J 60 12 . 8 / 57 44 44 17 5.5 • 6 35 35 31 • 6 4/ 53 27 27 75 21 51 24 137 E \_/ 49 16 16 120 47 11 11 4 0/ 45 14 108 :4/ 43 62 2/ 41 51 4 / 39 3 1/ 37 35 34/ 33 2/ 31 6 1 / 29 ? / 27 4! "o/ 25 4/ 23 Element (X) Z X' ZX No. Obs. Mean No. of Hours with Temperature Rel. Hum. \*47 F \* 73 F \* 80 F \* 93 F 2 0 F 1 32 F Total Dry Bulb Wet Bulb Dew Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

USAFETAC NOT 0.26-5 (OLA)

### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ
STATION STATION NAME

70,73-81

MAR

PAGE 2

1800-2000

																				MOURS	L. S. T.)
Temp.							BULB .											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	O.B./W.B.	Dry Bulb	Wet Builb	
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GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC SEE FIRST PAGE "ILLIAMS AFB AZ 70,73-81 MAR STATION NAME MONTH 2100-2300 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) D.B./W.B. Dry Bulb Wet Bulb Dow Point 10 10 / 69 67 .3 1.2 11 11 .6 1.2 13 0/ 65 • 3 13 28 28 63 23 32 2.0 1.5 1.8 32 1.8 2.0 3.2 41 55 2.0 35 35 1.8 1.8 2.0 4/ 53 2.9 2.7 1.2 42 42 33 33 2.0 2.6 4 51 22 2.6 29 29 5.7 49 .9 1.8 40 22 22 47 1.2 4 ./ 45 11 11 27 4/ 43 63 20 32 42/ 41 39 22 37 22 28 35 22 39/ 33 22 27 31 / 29 20 27 14 16/ 25 20 ·/ 23 17 14 2/ 21 19 12 3 8/ 17 10 16/ 15 10 14/ 13 1 / 11 6 Element (X) ZX ZX No. Obs. Mean No. of Hours with Temperature +67 F +73 F +80 F +93 F Rel. Hum. 10F 1 32 F Dry Bulb Wet Bulb Dew Paint

GLOBAL CLIMATOLOGY BRANCH US AFETAC ATR WEATHER SERVICE/MAC

# USE WITH CAUTION PSYCHROMETRIC SUMMARY SEE FIRST PAGE

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2100-2300 PAGE 2

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GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

WILLIAMS AFB AZ

### PSYCHROMETRIC SUMMARY

PAGE 1

Mean No. of Hours with Tomperatur

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HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 D.B./W.B. Dry Bulb Wet Bulb Dow Foin . 0 • 0 / 89 87 . 1 ٠2 26 26 6/ 85 . 1 . 2 37 -4/ 83 . 1 . 4 37 81 • 1 45 45 / 79 86 86 / 77 105 105 .0 127 127 6/ 75 73 • 1 1.0 169 169 1.0 222 71 . 8 222 1.2 . 9 255 69 1.2 255 b · / 67 369 309 1.3 1.0 294 294 c 6/ 65 - 4/ 63 1.0 1.1 1.1 275 275 . 1 1.3 . 6 2/ 61 1.5 1.5 1.1 1.0 • 8 363 363 27 / 59 1.2 1.8 1.2 353 353 . 6 64 57 296 296 105 293 293 250 6 55 53 1.4 1.2 290 290 426 51 259 259 59 1.0 636 50/ 49 1.6 242 242 607 ٠ 227 122 4 5/ 47 226 646 45/ 45 . 9 1.0 203 203 605 192 113 113 476 254 44/ 43 - 2/ 41 330 320 4 / 39 243 447 39/ 37 37 37 153 445 35 21 21 96 456 3 ./ 34/ 33 67 328 50 430 2/ 31 29 262 28/ 27 210 25 206 16/ 24/ 23

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70,73-81

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Element (X)

Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

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WILLIAMS AFB AZ 70,73-81 STATION NAME ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

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SLIBAL CLIMATOLOGY BRANCH US AFETAC ATO WEATHER SERVICE/MAC

DSE WITH CAUTION SEE FIRST PAGE

### **PSYCHROMETRIC SUMMARY**

2 104 STATION

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PAGE 1

0300-0500

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CLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION BEE FIRST PAGE

# PSYCHROMETRIC SUMMARY

WILLIAMS AFB AZ

70,73-81

PAGE 2

0300-0500

Temp.	L					WET	BULB	TEMPE	LATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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Wet Bulb		43	7151		102	15	42.2	4.9	76		42			2.2							<u> </u>
Dew Point		22	3246		71	11	29,4	7.5	9 Q	2	42			62.1							9

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ 70,73-81

PAGE 1 0600-0800

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC 27104 WILLIAMS AFB AZ

### PSYCHROMETRIC SUMMARY

0600-0860 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.B. Dry Bulb Wet Bulb Dew Pein 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 1 / 11 9 6.411.316.317.215.213.7 6.3 3.2 781 781 TAL 781 781 Element (X) 781 Rel. Hum. 1595580 = 67 F = 73 F = 80 F = 93 F 55.5 8.456 2460392 43336 781 9 C 8.6 Dry Bulb Wet Bulb 1559446 34634 9 C 24264

70,73-81

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GLOBAL CLIMATOLOGY BRANCH US AFETAC ATR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 | WILLIAMS AFB AZ

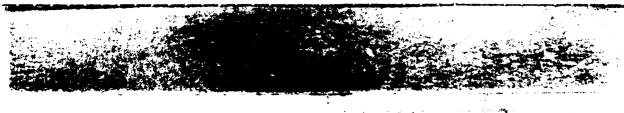
70,73-81

APR

PAGE 1

0900-1100

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GLCBAL CLIMATOLOGY BRANCH US AFEAC ATR WEATHER SERVICE/MAC

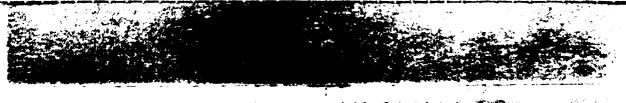
# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ

70,73-81

APR

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GLGBAL CLIMATOLOGY BRANCH US AFETAC ATR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

27194 WILLIAMS AFB AZ 70,73-81 1200-1400 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point ./ 27 / 25 87 73 ''/ 23 53 2/ 21 33 10 17 1 / 15 9 1 1 / 11 900 TETAL ·3 1.7 2.3 1.9 2.7 5.4 6.9 9.012.013.617.414.3 7.9 4.2 900 900 900 No. Obs. 20.810.578 Element (X) Mean No. of Hours with Temperature Rel. Hum. 489630 18712 900 s 32 F +67 F +73 F +80 F +93 F 76.0 9.160 53.4 4.601 900 74.9 60.8 36.7 5272620 68392 90 Dry Bulb Wet Bulb 2586827 48073 900 900 900035 27685 30.8 Dew Point

AC FORM 0-26-5 (OLA) BEYIND REVIOUS EBITORS OF THIS FORM ARE OSS

AFETAC NO. 0.26-5

ELOBAL CLIMATOLOGY BRANCH US AFETAC ATH WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 70,73-81

# **PSYCHROMETRIC SUMMARY**

APR PAGE 1

1500-1700 HOURS (L. S. T.)

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8/ 87														- 8		4.6	1.4	73	73		
6/ 85												• 1	• 6					8.3	83		
+/ 93			] :					İ				• 1	• 5		4.9	3.4	·	83	83		
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/ 79								i		• 1			1.3	2.8			1	70	70		
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Dry Bulb																					
Wet Bulb																					
Dew Paint																		i	L		

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR MEATHER SERVICE/MAC 104 NILLIAMS AFB AZ 2 - 104 70,73-81 APR VEARS STATION NAME MONTH 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 76 / 25 122 / 23 59 2/ 21 / 19 35 22 / 15 · / <u>13</u> TAL ·7 1.6 1.3 2.2 3.0 4.9 6.7 8.910.613.720.015.9 8.9 831 837 830 630 (OL A) 0.26-5 15356 Element (X) 18.510.576 Mean No. of Hours with Temperature 376834 Rel. Hum. 830 +67 F +73 F +80 F +93 F ± 32 F 78.3 9.547 54.0 4.597 Dry Bulb 5169284 6506C 77.4 66.5 50.0 831 44799 2435531 830 ō Wet Bulb 769090 29.6 7.016 62.5 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT A MEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

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70,73-81

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GLUBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR MEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 70,73-81 STATION NAME MONTH 1800-2000 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31

D.B./W.B. Dry Bulb Wet Bulb Dew Peint (F) 69 / 25 <u>-/</u> 23 55 2/ 21 47 / 10 43 ./ 17 11 1\_/ 15 10 ·/ 13 TAL .7 1.4 2.3 3.4 3.1 3.5 7.812.512.614.216.412.5 6.5 1.6 706 706 706 706 2 Mean Ho. of Hours with Temperature Element (X) No. Obs. 21.812.617 73.8 9.577 52.2 4.693 \*47 F \*73 F \*90 F \*93 F 70 •0 53 •4 28 •7 • 15408 448502 706 Rei. Hum. 10 6 1 32 F 52098 706 3909144 Dry Bulb Wet Bulb 1936947 36831 706 29.8 7.245 662012 Dew Paint 21006 90

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GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# **PSYCHROMETRIC SUMMARY**

2 134 STATION

HILLIAMS AFB AZ

70,73-81

2100-2300 PAGE 1

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USAFETAC NOM 0-26-5 (OLA) BITTED



GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# **PSYCHROMETRIC SUMMARY**

2 104

WILLIAMS AFB AZ

70,73-81

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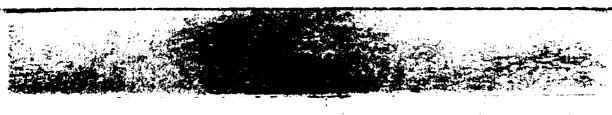
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PAGE 2

2100-2300 HOURS (L. S. T.)

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USAFETAC NOM 0-26-5 (OLA) WINDE NEVIOUS EPITORS O



GLOBAL CLIMATOLOGY BRANCH US AFETAC AI: LEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 1 4 - ILLIAMS AFB AZ
STATION STATION NAME

70,73-81

APR

PAGE 1

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GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 70,73-81 APR
STATION STATION NAME PAGE 2 ALL
HOURS (L. S. T.)

Temp.						WET	BULB	TEMPE	ATUPE	DEPRI	SSION	FI					-	TOTAL		TOTAL	
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ETAC notes 0.26-5 (OLA) servido merico.

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GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION USAFETAC PSYCHROMETRIC SUMMARY BEE FIRST PAGE AIR WEATHER SERVICE/MAC WILLIAMS AFB AZ 2 134 70,73-81 STATION VF AGE PAGE 1 2300-0500 TOTAL
D.S./W.S. Dry Sulb Wet Bulb Dow Point WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 10 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 21 (F) 4/ 73 . 8 - 8 7 71 . 8 1 69 . 8 . 4 1.7 1.2 67 3.7 31 31 2.9 1.2 1 6/ 65 2.1 2.1 : 4/ 63 1.7 2.5 5.4 4.1 36 36 . 8 2.1 4.1 2.5 1.2 3.7 4.6 2.1 61 1.2 2.5 31 31 2.5 31 31 59 3.3 57 2.1 . 4 1.7 21 21 1.2 18 18 55 . 8 2.1 . 4 1.7 1.7 17 4/ 53 1.2 7 31 35 5 / 49 . 4 . 4 / 47 45 42 45 1 4/ 43 15 Ř 52/ 41 4 / 39 37 15 35/ 35 34/ 33 72/ 31 29 27 25 :5/ ?4/ 23 13 2/ 21 / 19 19/ 17 10/ 15 1 // 11 2.910.412.020.721.216.6 4.1 2.5 TOTAL 2.5 2.9 3.3 241 Element (X) No. Obs. 382993 241 8771 Rel. Hum. 10P 1 32 F # 67 F - 73 F - 80 F 61.0 6.050 47.6 5.249 905303 14699 241 14.3 Dry Bulb 241 552795 11473 Wet Bulb 32.1 9.973 7748 53.3 Dew Paint

CLOBAL CLIMATOLOGY BRANCH L'AFETAC Alf Weather Service/Mac

AILLIAMS AFB AZ

#### **PSYCHROMETRIC SUMMARY**

0600-0800 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.S. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 3/ 87 • 1 6/ 85 4/ 83 • 1 / 81 . 1 1.0 79 7 / 77 31 1.0 1.5 o/ **7**5 45 45 4/ 73 57 57 2.8 1.4 71 2.3 71 <u>1.</u>a 3.1 / 69 3.4 1.0 83 83 ./ 67 1.8 2.4 1.3 65 65 <u>•</u>5 1.9 1.7 3.4 67 6/ 65 67 63 75 4/ 1.4 1.9 2 1.5 57 / 61 2.6 57 18 3 1.3 5,9 2.0 58 21 42 55 17 43 43 66 ·/ 53 15 112 51 14 132 10 10. 19 1 47 1 47 98 22 / 45 62 22 43 53 3 C 2/ 41 36 4 / 35 . 1 11 55 1 / 37 59 35 73 34/ 33 44 / 31 1 29 81 27 67 ./ 25 35 -/ 23 Element (X) Mean No. of Hours with Temperature Rei. Hum. # 67 F # 73 F # 80 F Dry Bulb Dew Paint

70,73-81

AFETAC From 6.26.5 (OLA) serves revous servors or ma rosm and oscour

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 70,73-81 3600-0800 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) / 19 26 :/ 17 8 10/ 15 3 14/ 13 1 / 11 0 TAL .6 2.9 3.2 3.3 4.7 8.014.016.217.213.4 8.8 5.1 1.5 783 783 783 783

> No. Obs. 783

> > 783

33.215.463

66.4 7.736 50.7 5.520

34.4 9.590

26033

51984

39727

Mean No. of Hours with Temperature

47.2

± 67 F = 73 F = 90 F = 93 F

Element (X)

Rel. Hum.

Dry Bulb

Dew Point

1052519

3498360

2039449

GLOBAL CLIMATOLOGY BRANCH OF AFETAC AT - MEATHER SERVICE/MAC

#### PTYCHROMETRIC SUMMARY

PAGE 1

WILLIAMS AFB AZ

70,73-81

0900-1100

																					L. S. T.)
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30		D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
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3/ 97																	• 2				ļ
6/ 95														,		_	. 4	1		1	
4/ 93																• 3					L
/ 91															• 1	1.0		_			}
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9/ 87											- 1	• 2	• 4	.7	2.2	2.8	• 7	1	_	1	l
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4/ 83									• 1	. 3	• 1	. 8	2.5	3.6	2.8	.9		101		1	I
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/ 67		<u> </u>			• 1	. 4	. 1	• 4	. 4	• 1	• 8	• 6						27	27	12	1
6/ 65					- 3	. 1	- 3	• 6	. 1	. 4	. 3	. 1						21	21		
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2/ 61					• 2	. 3		• 2		. 3								10	10	73	1
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Rel. Hum.						_						101	,	32 F	= 67		73 F	≥ 80 F	* 93	F	Total
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Dew Peint						$\dashv$			-		-+		$\dashv$			$\dashv$		-	1	1	
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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR WEATHER SERVICE/MAC 2 104 HILLIAMS AFB AZ 70,73-81 MAY STATION PAGE 2 0900-1100 HOURS IL. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point 31 91 1 29 75 27 61 / 25 58 20 23 2/ 21 16 19 16 :/\_17 5 1-/ 15 1 14/ 13 TAL 1.3 1.3 2.5 3.2 3.9 6.2 9.814.015.517.112.0 8.6 3.6 907 937 907 907 õ 0-30-5 No. Obs. Element (X) T Mean No. of Hours with Temperature 22.911.481 78.9 7.385 56.4 4.266 907 596602 20804 ±67 F = 73 F = 80 F = 93 F Rel. Hum. 2 0 F ± 32 ₽ 71600 5701624 907 86.2 76.3 48.2 Dry Bulb 2896568 51117 907 Wet Bulb 1.2 1223241 35.7 8.631 Dew Point 93

GLOGAL CLIMATOLOGY BRANCH CSAFETAC AIS WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 1 4 AILLIAMS AFB AZ
STATION STATION NAM

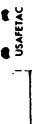
70,73-81

MAY

PAGE 1

1200-14U0

Temp.						WET	BULB '	TEMPER	ATURE	DEPRI	ESSION (	F)						TOTAL		TOTAL	
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5/ 95				•		i l				ł	ļ			[ [	• 1	. 3	3.5				Į
4/ 93														. 2	• 1	. 4	5.1	53			
/ 91					l					L.	1		. 1	.6	• 6	1.8	5.6	78	78		}
/ 89												. 1	• 2	. 9	1.8	3.5			101		
8/ 87		L {		i .	1	1 1				i	• 3	. 4	. 7	2.4	3.0	4.7	1.7	120	120		1
6/ 85									• 1	. 1	. 6	. 4	1.0	2.5	2.9	4.4	• 1	110	110		
4/ 83										• 3	.8			2.0	3.7	1.2		90	90		L
./ 81									• 1	. 1		. 3		2.0		• 4		59			
/ 79						L			• 1		• 3				• 6			49			L _
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Wet Bulb						+			+-				+			-+-		<b></b> -	-	_+_	
Dew Point											+								<del></del>		





ELOBAL CLIMATOLOGY BRANCH LSAFETAC **PSYCHROMETRIC SUMMAR'** ATR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 70,73-81 STATION STATION NAME YEARS 1200-1400 PAGE ? HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

TOTAL

TOTAL

TOTAL

D.B./W.B. | Dry Bulb | Wet Bulb | Dew Poir (F) / 37 84 /\_35 33 81 31 166 ŝε / 27 69 / 25 39 16 17 2/ 21 / 19 1 / 17 ./ 15 / 11 T: TAL <u>-3 1-0 1-7 1-7 3-6 5-0 5-610-013-314-617-525-9</u> 907 907 937 Element (X) Mean No. of Hours with Temperature 18.1 8.669 85.3 7.645 58.6 4.037 Rel. Hum. 366321 16447 907 # 67 F # 73 F # 80 F # 93 F 10F ≤ 32 F Total 6651158 77360 Dry Bulb 907 91.8 53136 3127736 Wet Bulb 907 1194631 Dew Paint 36.4

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2 1 14 STATION

GLOPAL CLIMATOLOGY BRANCH LSAFETAC AIS WEATHER SERVICE/MAC

\*ILLIAMS AFB AZ
STATION NAME

#### **PSYCHROMETRIC SUMMARY**

70,73-81 YEARS PAGE 1

15 0-1700 HOURS (L. S. T.)

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Temp.				т	,	WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)		T				TOTAL		TOTAL	
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s/ 97							<u> </u>									• 2			38		
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6/ 75								• 1	• 1			• 6						18	18		
4/ 73		ļ							• 6	• 4				• 2				20	20		
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4/ 53																	1			46	ı
2/ 51		<del> </del>					-	<del>                                     </del>						<del>   </del>			<del>                                     </del>			26	
5 / 49																				6	
47		<del>                                     </del>					-		$\vdash$								$\vdash$	<del>                                     </del>		- 6	
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Element (X)		Zz'			ZX		Ī	•.		No. Ol	. T	بمصيا		أججيا	Mean P	lo, of M	ours will	h Temperat	lure	<u> </u>	<u> </u>
Rel. Hum.		_ ^			_^	$\dashv$			$\top$		<del>·</del> +	101	F :	32 F	= 67		73 F	- 80 F	• 93	F	Tetel
Dry Bulb						$\top$			$\top$			- •				1			1		
Wet Sulb						$\top$	-			<del>/</del>								<u> </u>	<u> </u>	$\neg$	
Dew Point													1			1		<del>                                     </del>	<del>                                     </del>		



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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY ATR MEATHER SERVICE/MAC WILLIAMS AFB AZ 73,73-81 STATION NAME MONTH 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Pain (F) - / 39 59 62 35 86 3 1/ 33 91 131 31 1 29 84 27 73 39 23 2/ 21 / 19 / 17 11/ 15 TAL 834 .6 1.7 1.9 3.0 4.8 6.4 8.412.217.941.8 834 834 834 16.3 8.694 No. Obs. Mean No. of Hours with Temperature Element (X) 284763 13601 Rel. Hum. 834 =67 F = 73 F = 00 F = 93 F 73114 87.7 7.802 59.2 3.865 6460362 834 91.8 88.4 93 Dry Buib

834

Wet Bulb

Dew Paint

2932138

1046157

49346

28861

34.6 7.544

GLOBAL CLIMATOLOGY BRANCH ETAFETAC ATR WEATHER SERVICE/MAC

WILLIAMS AFB AZ

# **PSYCHROMETRIC SUMMARY**

70,73-81

PAGE 1 1800-2000

Temp.							BULB 1											TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>× 31</b>	D.S./W.S.	Dry Bulb	Wet Bulb	Dow Po
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3/ 99																	• 8	6	6		
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6/ 95																• 3	3.4	26	26		
4/ 93		[ ]							ļ					• 1		. 4	4.1	33	33	ı l	l
/ 91													• 1		.7	1.0	4.6	47	47		
/ 89		] ]	- 1									• 1		1.0	1.0	2.8	5.2	72	72	. 1	1
8/ 87											• 1		•6	.7	3.4	5.7	2.2	91	91		$\overline{}$
6/ 85						i				- 1	• 1		1.0	1.5	3.4	4.5	. 1	77	77	i	1
4/ 93											.6	. 1	1.1	2.8	4.2	1.1		71	71		
1/ 81		\ \	1			ļ	1	,	. 3	. 3	.1	1.0	2.4	3.6	2.7	• 1	ì	75	75	i 1	İ
/ 79									• 6		. 4	1.3	1.7	2.1	1.1			51	51		
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ey Bulb						$\neg$										1			1		
for Bulb													7						1	$\neg$	
ew Point						_			$\dashv$				_			$\neg$			$\overline{}$	$\overline{}$	

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMAR'** Ale WEATHER SERVICE/MAC WILLIAMS AFB AZ 79,73-81 1800-2060 PAGE 2 HOURS (L. S. T.) WET PULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Poir Temp. :/ 35 70 3 / 33 ôî. 3/ 31 <u>1 ਹ 1</u> 8 C 29 / 25 33 :/ 23 18 2/ 21 19 17 1:/ 15 1 -/ 13 .7 1.3 2.7 2.5 5.0 5.3 9.814.816.615.922.5 716 716 TAL .7 1.0 716 716 ĝ 0.26.5 Element (X) 18.611.39 345940 Rel. Hum. 716 # 67 F # 73 F # 80 F # 93 F 84.0 5064021 59949 83.7 7.901 716 90.3 93 Dry Bulb 41280 2390458 57.7 3.835 716 Wet Bulb 887972 Dew Point 34.3 8.087

GLOBAL CLIMATOLOGY BRANCH LEAFETAC ATR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ 70,73-81 2100-2300 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 / 91 1 89 8/ 87 1.3 . 8 6/ 85 1.8 1.0 14 47 17 17 83 2.3 / 81 2.3 5 • 2 1.6 38 38 1 79 .8 2.8 3.6 3.9 . 8 47 47

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Wet Bulb Dew Point



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GLOBAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

# **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ

70,73-81

PAGE 2

2190-2300

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#### **PSYCHROMETRIC SUMMARY**

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2 1.14 WILLIAMS AFB AZ 70,73-81 STATION NAME YEARS MONTH PAGE 1 ALL HOURS (L. S. T.) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 16 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) /107 • [] ./103 • 2 11 11 2/101 . 5 22 22 44 44 :/ 97 1.5 75 75 2.1 109 p/ 95 • 1 109 1/ 93 . 4 3.4 190 190 . 1 91 • 3.2 228 228 89 1.0 2.1 3.1 335 335 87 1.9 3.2 1.3 381 381 . 5 6/ 85 3.0 • 0 363 363 2.5 322 322 4/ 83 •1 1.1 1.8 • 7 1.5 31 . 6 2.2 326 326 312 1.8 1.8 312 • 6 1.3 1.5 1.0 7 / 77 262 262 1.6 1.5 260 260 61 4/ 73 1.2 224 224 213 1.4 213 71 189 189 69 1.0 64 67 161 161 . 1 6/ 65 1.0 156 156 143 63 151 151 269 3 • 1 • 3 106 106 2/ 61 465 C/ 59 112 112 675 11 • 1 • 1 ٠ 71 71 841 **3**0 58/ 57 681 56/ 55 67 67 4/ 53 32 32 511 66 21 = 21 51 21 377 5 / 49 245 95 195 99 11 11 47 136 182 40/ 45 . 4/ 43 183 2/ 41 47 251 Element (X) Zı' Mean No. of Hours with Temperature Rel. Hum. 2 0 F ± 32 F # 67 F = 73 F = 80 F Total Dry Bulb Wat Bulb Dew Point

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GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC WILLIAMS AFB AZ 70,73-81 MAY STATION STATION NAME ALL PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.S./W.S. Dry Bulb Wet Bulb Dew Point 39 340 17 3 :/ 37 13 371 35 472 426 3 ../ 3 **3** 31 586 29 471 27 392 25 247 23 116 2/ 21 114 91 / 19 17 37 24 15 19 1/ 13 1 / 11 10 ·9 1·1 1·2 1·9 2·8 4·8 5·9 7·0 7·6 8·5 9·8 10·8 10·5 10·6 16·3 4775 TAL 4775 4775 No. Obs. Mean No. of Hours with Temperature \*67 F \*73 F \*80 F 628 .2 540.5 403.1 22.713.298 79.111.147 3301838 108330 4775 1 32 F Rel. Hum. ■ 93 F 30485166 4775 71.1 744 377802 15080467 267031 55.9 5.556 4775 744 Wet Bulb 744 Dow Point 6091961 165647

The state of the s GLEBAL CLIMATOLOGY BRANCH USE WITH CAUTION **PSYCHROMETRIC SUMMARY** USAFETAC SEE FIRST PAGE AIR WEATHER SERVICE/MAC 69-70,73-80 WILLIAMS AFB AZ JUN STATION NAME 1300-0500 PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 89 87 1 6/ 85 4/ 83 1.3 6 ./ 81 / 79 12 1.3 18 5/ 75 1.3 13 2.9 4.2 1.3 74/ 73 2.5 1.3 25 25 28 2.9 2.5 28 ./ 71 . 8 69 2.5 2.9 1.7 25 3.8 2.9 39 39 67 1.3 5.0 1.3 25 6/ 65 1.3 1.3 3.8 1.7 19 1.3 12 10 61 5**9** 11 19 53/ 57 4/ 53 4 -2/ 51 28 49 32 45/ 47 40/ 45 :4/ 43 621 41 13 41/ 39 39/ 37 13 34/ 33 14 2/ 31 7 / 29 16 23/ 27 17 15/ 25 13 24/ 23 Element (X) • 93 F Dry Bulb Wer Buib Dew Paint

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC USE WITH CAUTION A19 WEATHER SERVICE/MAC SEE FIRST PAGE WILLIAMS AFB AZ 2 1714 69-70,73-80 JUN STATION YE ARS STATION NAME PAGE 2 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point 21 / 19 8 ./ 17 1 o/ 15 13 1 TAL .4 1.3 2.1 2.1 7.615.527.317.615.5 8.4 1.3 238 238 238 238 0.26.5 Element (X) 28.010.694 Mean Ho. of Hours with Temperature 213694 238 ±47 F = 73 F = 90 F = 93 F Rel. Hum. 10F ≤ 32 F 70.4 6.188 52.5 5.374 1188190 16752 65 .8 Dry Bulb 238 31.0 661993 12487 238 90 Wet Buib 34.310.095 304336 Dew Point

USAFETAC PSYCHROMETRIC SUMMARY ALR WEATHER SERVICE/MAC HILLIAMS AFB AZ 69-70,73-80 STATION STATION NAME 0600-0800 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 6/ 95 4/ 93 . 3 6 6 91 6 6 G ./ 89 1.0 27 27 8/ 87 37 37 1.0 6/ 85 1.0 44 44 83 2.5 55 55 1.2 1.6 1.0 . 8 62 62 81 3.0 79 1.4 1.6 2.1 2.2 2.8 2.5 86 86 . 6 • 5 7 5/ 77 3.1 81 81 75 1.9 2.1 1.6 68 68 . 6 73 1.6 1.4 3.0 60 60 4/ . 6 2.3 71 1.3 2.5 66 66 1.3 2.5 5**5** 55 / 69 1.0 1.0 50 67 1.4 50

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GLUBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** LIAFETAC ALR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-70,73-80 YEARS STATION PAGE 2 0600-0860 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 25 47 23 21 2/ 21 10 11 / 17 15 ·/ 13 1 / 11 1 1.3 1.4 4.5 8.912.516.016.714.913.5 7.0 1.6 773 773 TAL 773 Š No. Obs. Element (X) Mean No at Hours with Temperature 567161 1950 773 25.2 Rel. Hum. 2 0 F ≥ 67 F · 73 F = 80 F Dry Bulb 4590793 59293 76.7 7.439 773 82.2 62.3 2439254 43226 55.9 5.346 90 773 Wet Bulb 28614

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# **PSYCHROMETRIC SUMMARY**

2 1/4 WILLIAMS AFB AZ 69-70,73-80 JUN.

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GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMAR** A' - WEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 STATION NAME MONTH PAGE 2 0900-110 HOURS (L. 5. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 | 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Po (F) 2/ 4; 6 3./ 37 7 8 5 33 / 31 6 1 27 / 25 1 23 2/ 21 . 1 L .1 1.2 1.7 4.3 4.9 7.112.914.818.634.3 85 899 899 899 0-26-5 (OL A) Element (X) No. Obs. Mean No. of Hours with Temperature 329386 899 267 F = 73 F = 80 F = 93 F 90 • 0 89 • 8 84 • 9 31 • Rel. Hum. 2 0 F 1 32 F Tetal 7264614 80602 89.7 6.509 899 Dry Bulb 31.4 61.5 4.072 3412120 55264 899 Wet Bulb 11.5 1448118 35336 Dew Point

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GLOWAL CLIMATOLOGY BRANCH USAFETAC ASP WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70,73-80 JUN STATION NAME YEARS MONTH PAGE 1 1200-1400 HOURS (L.S. T.)

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18.4 GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY FETAC ATE WEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 JUN STATION NAME MONTH 1200-1400 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 38 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) · ./ 45 71 4/ 43 81 2/ 41 79 4 / 39 106 89 37 95 33 85 88 27 31 28 29 / 27 2 / 25 3/ 23 2/ 21 CTAL ·9 1 · 6 2 · 2 4 · 7 7 · 2 10 · 0 7 2 · 3 900 900 900 900 ಠ Moon No. of Hours with Temperate 5.921 Element (X) 230463 900 13381 Rel. Hum. 14.9 +67 F = 73 F = 90 F = 93 F 8366419 86567 96.2 6.664 900 90.0 Dry Bulb 3697166 57588 64.0 3.699 900 23.1 Wer Bulb 1486455 36047 40.1 6.891 Dew Point

SLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATH MEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 STATION STATION NAME 1590-1788 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./V.B. Dry Bulb Wet Bulb Dow Point 11:7115 11-/113 12/111 2.1 17 11./109 3.3 27 27 -4/107 5.8 48 48 77 -/105 9.3 77 99 -/103 .111.8 11.8 98 2/101 98 2/ 09 .6 7.6 68 5/ 97 95 .511.0 95 .7 9.9 1.4 7.1 6/ 95 94 4/ 93 • 5 76 76 \_/ 91 •6 1•3 1.7 2.7 42 42 35 / 89 1.2 1.4 22 22 9/ 87 • 6 -6/ 85 14 4/ 83 7 81 1 79 7:/ 77 75 4/ 73 72/ 71 1 / 69 104 138 6 1/ 67 467 65 171 4/ 63 135 2/ 61 159 ₹ · / 59 62 13 ತ 13/ 57 0.26.5 5 0/ 55 4/ 53 2/ 51 5 / 49 Element (X) Mean No. of Hours with Temperature Dry Bulb Wet Bulb Dew Paint

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** US AFETAC ATH FEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-70,73-80 JUN YEARS STATION STATION NAME 1500-1700 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 4 C 4 / 45 66 4/ 43 103 96 2/ 41 113 2 / 37 97 35 86 3 / 33 88 31 46 29 20 1 27 1/ 23 TAL 829 829 1.0 1.9 4.1 6.984.2 829 829

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0-26-5 (OL A)

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Paint

GLOBAL CLIMATOLOGY BRANCH US AFETAC AFE WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 MILLIAMS AFB AZ 69-70,73-80 JUN STATION NAME VEARS MONTH

PAGE 1 1800-2000

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GLOBAL CLIMATOLOGY BRANCH USAFETAC PSYCHROMETRIC SUMMARY A : - WEATHER SERVICE/HAC 2 104 **WILLIAMS AFB AZ** 69-70,73-80 JUN STATION STATION NAME YEARS 1800-2000 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 | O.B./W.B. Dry Bulb | Wet Bulb | Dow Point 0 68 2/ 41 68 . / 39 78 3 / 37 76 35 69 3 **3** 84 51 31 1 29 29 1 27 8 / 25 3 .4 1.4 1.6 2.6 5.9 7.012.068.1 698 TAL 698 698 698 (OL A) 0-26-5 X 7, 15.2 6.181 95.2 6.772 63.5 3.598 Element (X) No. Obs. Mean No. of Mours with Temperature 10587 698 187205 Dry Bulb 90.0 6359562 66458 ढग्र 89.7 2826708 44348 698 90 Wet Bulb 27735 39.7 6.626 90 Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

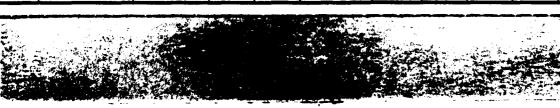
USE WITH CAUTION BEE FIRST PAGE

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ

69-70,73-80

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GLOBAL CLIMATOLOGY BRANCH
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STATION NAME

USE WITH CAUTION SEE FIRST PAGE

69-70,73-80

# **PSYCHROMETRIC SUMMARY**

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PAGE ? 2100-2300

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIP WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-70,73-80 JUN STATION PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 1 :/117 11-/115 •0 11-/113 25 .12/111 25 1.0 47 1 /109 1/107 82 82 160 160 :/105 **1103** 4.8 227 227 295 2/101 • 0 6.2 295 6/ 99 . 5 5.0 264 264 97 6.2 321 321 °6/ 95 371 . 8 6.2 371 4/ 93 1.3 5.8 405 405 1.9 / 91 3.4 341 341 1.9 1.9 323 323 89 1.6 275 275 8/ 87 1.7 1.0 1.3 276 1.5 1.2 6/ 85 1.0 209 4/ 93 209 81 179 179 185 185 79 1.0 139 139 6/ 75 108 108 95 74/ 73 95 101 101 93 12/ 71 69 82 82 288 91 91 429 67 52 626 6/ 65 40 40 632 - 4/ 63 25 792 6 61 606 4 ./ 59 16 429 31 58/ 57 50/ 55 290 193 87 4/ 53 2/ 51 Element (X) ■ 73 F 2 20 F Rel. Hum. 10F Dry Bulb Wet Bulb Dew Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

HILLIAMS AFB AZ

#### **PSYCHROMETRIC SUMMARY**

JUN

PAGE 2 ALL WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 - 8 9 - 10 11 - 12 13 - 14 15 . 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 88 191 / 47 232 57 334 45 4/ 43 416 4 U 3 41 / 39 499 37 430 444 35 33 417 421 31 233 149 27 25 102 23 45 21 / 19 17 1/ 15 13 1 7 11 1.2 2.6 4.0 4.9 5.7 6.3 8.3 9.110.146.6 4738 4738 TAL 4738 4738 Mean No. of Hours with Temperature No. Obs. Element (X) 17.9 8.345 1843846 84694 4738 Rel. Hum. 267 F 273 F 280 F 293 F 38938558 426400 90-010-915 4738 700.1 658.5 Dry Bulb 290679 61.4 5.527 720 Wet Bulb 17978029 4738 7446554 720 184134 38.9 7.831 731 Dew Paint

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GLOBAL CLIMATOLOGY BRANCH CS AFETAC AIR WEATHER SERVICE/MAC

WILLIAMS AFB AZ

USE WITH CAUTION SEE FIRST PAGE

## **PSYCHROMETRIC SUMMARY**

69-70,73-80

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PAGE 1 0300-0500 HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION **PSYCHROMETRIC SUMMARY** USAFETAC SEE FIRST PAGE ATS WEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 JUL YEARS PAGE 2 0300-0560 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) -/ 23 1/ 13 TAL .8 5.3 4.1 4.912.218.015.110.213.911.0 4.1 245 245 245 245 Element (X) X 43.714.252 10701 245 516951 Rel. Hum. 10F ± 32 F \*67 F \* 73 F \* 80 F \* 93 F 79.7 4.964 1563629 19535 Dry Bulb 245 92.6 52.8 84.3 40.2 1026069 15805 245 Wet Bulb 54.4 9.648 Dew Paint 13336

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SLOBAL CLIMATOLOGY BRANCH SCAFETAC ATR \*EATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

2:1 4 \*ILLIAMS AFB AZ 69-70,73-80 JUL STATION STATION NAME YEARS 0600-0800 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.S./W.S. Dry Sulb Wet Sulb Dow Point (F) 20 o/ 95 93 • 1 10 10 ./ 91 25 25 . 6 • 1 / 89 59 8/ 87 87 85 2.7 3.8 2.3 6/ 118 118 2.9 **-/** 83 3.8 1.9 117 117 51 2.2 3.6 1.0 4.3 122 2.2 1.7 / 79 1.1 2.4 89 89 7:/ 77 2.3 1.0 1.5 1.7 66 66 s/ 75 1.5 . 6 . 8 . 1 44 44 21 2/ 71 7 66 / 69 167 / 67 196 126 6/ 65 48 4/ 63 49 76 : 2/ 61 45 161 : / 59 113 57 29 87 5 £ / 55 4/ 53 55 - 2/ 51 48 5 / 45 37 42/ 47 23 45 :4/ 43 18 2/ 41 4./ 39 ? 6**/** 35 34/ 33 14 Element (X) ZX Σχ Mean No. of Hours with Temperature Rel. Hum. ± 67 F = 73 F = 80 F = 93 F 2 0 F 1 32 F Total Dry Bulb Wet Bulb Dew Peint

(FETAC FORM 0-26-5 (OL.A) REVISE NEVICES EDITIONS

USAFETAC FORM 0.26-5 (OLA) REVISED REVIOUS EDITIONS OF THIS FOLM ART OSSOUTE

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### **PSYCHROMETRIC SUMMAR'**

2 104 WILLIAMS AFB AZ 69-70,73-80 JUL STATION NAME YEARS MONTH
PAGE 2 0600-090

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GERBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 1.34 WILLIAMS AFB AZ
STATION STATION NAME

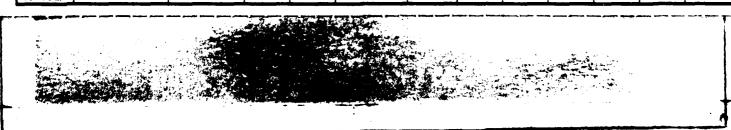
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JUL

YEARS PAGE 1

0900-110C

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-70,73-80 JUL STATION STATION NAME PAGE 2 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point ./ 35 15 3 4/ 33 10 7/ 31 5 1 29 :/ 27 2 ./ 25 TAL 1.0 1.4 3.8 5.5 9.311.511.914.414.011.1 7.4 8.4 914 904 904 0.26-5 27835 30.810.473 Element (X) No. Obs. Mean Ho, of Hours with Tomperature 956101 904 Rel. Hum. 10F 1 32 F 91.6 4.859 68.6 3.325 7609793 82825 904 93.0 93.0 Dry Bulb 62012 4263842 904 73.9 Wet Bulb 2807967 49887 Dew Peint

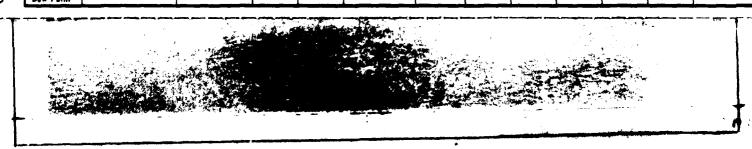
GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70,73-80 JUL

STATION NAME YEARS
PAGE 1 1200-1400

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GLORAL CLIMATOLOGY BRANCH CSAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

2 10 4 NILLIAMS AFR AZ 69-70,73-80 JUL

STATION STATION NAME VEARS MONTH

PAGE 2 1200-1400 NOUNTS (L. S. T. i)

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USAFETAC NOW 0-26-5

GLOSAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 174 .ILLIAMS AFB AZ 69-70,73-8C PAGE 1

1500-170C

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GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

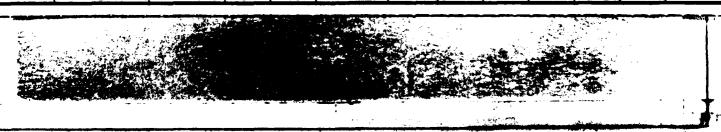
2 104 WILLIAMS AFB AZ 69-70,73-80 JUL
STATION STATION NAME VEARS

PAGE 2 1500-1700
HOURS (L. S. T.)

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WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.S./W.S. Dry Bulb Wer Bulb Dow Point (F) 34 31 2/ 41 4 / 39 3 1/ 37 22 14 ../ 35 6 34/ 33 TITAL .7 1.0 1.3 1.9 3.2 7.510.510.915.547.2 841 841 841 Element (X) +47 F +73 F +80 F +93 F 93.0 93.0 92.9 86.5 841 464883 Rel. Hum. 8481667 841 Dry Bulb 4196929 841 20.5 Dew Point

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GLOBAL CLIMATOLOGY BRANCH SSAFETAC ATR WEATHER SERVICE/MAC

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#### **PSYCHROMETRIC SUMMARY**

69-70,73-80 WILLIAMS AFB AZ STATION NAME PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 11 /109 1.0 /107 J/105 5.7 41 4/103 7.1 63 63 103 2/171 103 4.9 8.4 2.9 5.0 5.6 104 104 2.5 5.6 104 104 2.2 4.2 2.2 86 6/ 95 1.1 86 93 1.7 2.4 2.8 67 67 1.0 1.3 30 30 ./ 91 1.1 89 1.0 • 8 1.3 28 28 20 8/ 87 20 6/ 85 4/ 83 10 81 79 75 4/ 73 205 71 69 213 67 145 6/ 65 4/ 63 2/ 61 38 59 66 92 c/ 57 55 5 t/ 118 4/ 53 2/ 51 72 5:/ 49 47 46/ 45 28 44/ 43 30 42/ 41 13 2 % Element (X) Mean No. of Hours with Temperature Wet Bulb

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC 69-70,73-80 2 104 WILLIAMS AFB AZ STATION STATION NAME 1800-2000 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wor Bulb Dow Faint / 39 16 3-/ 37 35 8 3 // 33 7/ 31 .8 1.0 1.5 2.2 3.1 3.9 5.0 6.811.113.116.934.3 718 TITAL 718 718 718 9.939 Mean No. of Hours with Temperature Element (X) 17539 Rel. Hum. 499269 24. 718 +47 F +73 F +00 F +93 F 10 P 1 32 F 69890 97.3 6.021 93.0 6829072 718 93.0 Dry Bulb 83.2 3482262 49961 69.6 2.594 718 Wet Bulb

GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

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# **PSYCHROMETRIC SUMMARY**

USE WITH CAUTION
69-70, 73-8 PAGE

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The state of the s GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION **PSYCHROMETRIC SUMMARY** USAFETAC BEE FIRST PAGE ATR WEATHER SERVICE/MAC 2 104 STATION WILLIAMS AFB AZ 69-70,73-80 2100-2360 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wet Bulb Daw Point (F) / 35 2/ 31 / / 29 :/ 27 1 TAL .5 2.7 1.2 2.5 5.2 5.9 7.412.813.617.013.311.1 6.4 405 405 405 405 Mean No. of Hours with Temperature 29.811.169 Element (X) 12062 409640 405 # 67 F # 73 F # 80 F # 93 F 91.2 5.242 67.6 3.216 3380760 36942 405 93.0 93.0 Dry Bulb 27461 405 68.9 1866169 Wet Bulb 53.6 7.493 1195147 21791 1.8 Dew Point

GLOBAL CLIMATOLOGY BRANCH U. AFETAC AIR WEATHER SERVICE/MAC 2 7 1 3 4 WILLIAMS AFB AZ

### PSYCHROMETRIC SUMMARY

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STATION STATION NAME MONTH PAGE 1 ALL HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 . 31 D.B./W.B. Dry Bulb Wer Bulb Dow Paint 12/111 5 5 41 41 /109 9/107 1.6 181 ./105 • 1 3.6 181 **3/1**03 4.2 266 266 1.1 . 9 2/101 2.7 383 383 2.6 3.2 2.4 438 438 2.9 2/ 1.0 474 3/ 97 1.8 1.8 474 95 1.7 434 434 1.0 4/ 93 2.5 435 435 1.5 369 7 91 2.1 369 2.0 1.9 . 2 314 314 / 89 . 1 290 8/ 87 1.9 1.4 6/ 85 1.2 1.1 257 257 . 1 4/ 83 1.1 225 225 204 204 <u>.</u>/ 81 1.4 . 1 . 1 • 1 • 1 159 159 95 7-1 77 95 • 0 6/ 75 77 • 1 82 4/ 73 35 35 438 /2/ 71 18 18 1134 1219 ./ 69 .0 . 0 76 62/ 67 898 439 . 6/ 65 158 4/ 63 262 267 437 - 2/ 61 140 59 67 608 53<u>/ 57</u> 644 48 590 56/ 55 16 477 4/ 53 20 2/ 51 382 16 5 7 49 239 40/ 47 178 44/ 45 156 ZX' Mean No. of Hours with Temperature Element (X) s 32 F ≥ 67 F = 73 F = 90 F ≥ 93 F Rel. Hum. 10F Dry Bulb Daw Paint

69-70,73-80

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# PSYCHROMETRIC SUMMARY

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69-70,73-80

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

### **PSYCHROMETRIC SUMMARY**

2 174 AILLIAMS AFB AZ
STATION STATION NAME

69-70,73-80

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PAGE 1

0300-0500

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31 18AL CLIMATOLOGY BRANCH C AF L TAC PSYCHROMETRIC SUMMAR A . MEATHER SERVICE/MAC station SILLIAMS AFB AZ 69-70,73-89 YF ARS STATION NAME MONTH 0600-081 PAGE 1 HOURS (L. S. T. TOTAL
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GLIBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC WILLIAMS AFB AZ
STATION NAME 69-70,73-80 WET BULB TEMPERATURE DEPRESSION (F) Temp.

**PSYCHROMETRIC SUN** 

PAGE 2

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FORM 0-26-5 (OLA) INVISEMENTS RE

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ELUMAL CLIMATOLOGY BRANCH L AFETAC ATH REATHER SERVICE/MAC

ILLIAMS AFB AZ

69-70,73-80

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PAGE 1

0900-1100 HOURS (L. S. T.)

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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GLOBAL CLIMATOLOGY BRANCH USAFETAC A:R WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 #ILLIAMS AFB AZ 69-70,73-80 AUG

STATION STATION NAME YEARS PAGE 2 0900-1100
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GLUBAL CLIMATOLOGY BRANCH LUBAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 2 1:14 HILLIAMS AFB AZ

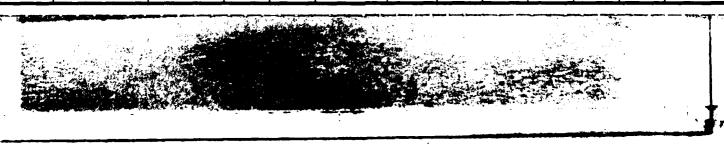
69-70,73-80

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PAGE 1

1200-1400

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

2 104 WILLIAMS AFR AZ 69-70,73-80 AUG

STATION HAME YEARS PAGE 2 1200-1400
HOURS (L.S.T.)

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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USAFETAC NOW 0.26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH
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ATS WEATHER SERVICE/MAC

2/104 WILLIAMS AFB AZ

STATION

### **PSYCHROMETRIC SUMMARY**

69-70,73-80

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Temp.						WET	BULB 1	TEMPER	ATURE	DEPR	SSION (	F)						TOTAL		TOTAL	
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Wat Bulb											I				<u> </u>				<u> </u>		
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GLOBAL CLIMATOLOGY BRANCH US AFETAC ATR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 STATION FILLIAMS AFB AZ 69-70,73-80 AUG YEARS

PAGE 2 1500-1700

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Temp.								TEMPER										TOTAL		TOTAL	
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USAFETAC NOW 0-26-5 (OLA)



GLOBAL CLIMATOLOGY BRANCH ON AFETAC ATA WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70+73-80 AUG

STATION STATION NAME VEARS

PAGE 1 180C-2900 Hours (L. s. t.)

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GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ

69-70,73-80

PAGE 2

1800-2000

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION BEE FIRST PAGE

#### **PSYCHROMETRIC SUMMARY**

2/104

WILLIAMS AFB AZ

69-70,73-80

AUG

STATION NAME

YEARS

PAGE 1 2100-2300

HOURS (L. S. T.) | TOTAL | TOTAL | 1-2 | 3-4 | 5-6 | 7-8 | 9-10 | 11-12 | 13-14 | 15-16 | 17-18 | 19-20 | 21-22 | 23-24 | 25-26 | 27-28 | 29-30 | 231 | D.B./W.B. | Dry Bulb | Wet Bulb | Dow Point (F) C/ 8/ 97 95 30 30 6/ 4/ 93 91 2.9 87 87 / 89 1.6 1.6 3.2 60 60 1.1 1.6 53 53 87 2.4 39 39 6/ 85 4/ 83 1.3 2/ 81 11 7:/ 77 '0/ 71 62 / 69 67 6/ 65 4/ 63 27 2/ 61 59 5 d/ 57 37 50/ 55 26 -4/ 53 31 51 2/ 5 / 49 0 1/ 47 -4/ 43 2/ 41 39 38/ 37 24 35 34/ 33 Element (X) Mean No. of Hours with Tomperature s 32 F Wet Bulb Dew Paint

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GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION PSYCHROMETRIC SUMMARY USAFETAC ATR WEATHER SERVICE/MAC BEE FIRST PAGE 2 104 #ILLIAMS AFB AZ 69-70,73-80 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.8./W.B. Dry Bulb Wet Bulb Dew Point / 31 1 1.1 2.4 1.3 1.9 3.2 4.5 8.714.621.420.910.6 7.7 1.9 378 378 TAL 378 378 Mean No. of Hours with Temperature Element (X) 369409 378 Rel. Hum. 11109 = 47 F = 73 F = 80 F = 93 F 20 P 1 32 F 3047772 33898 93.0 92.8 89.1 24.4 89.7 4.576 378 Dry Bulb 1689637 25225 66.7 4.089 378 49.9 Wet Bulb 19780 378 1062158

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GLOPAL CLIMATOLOGY BRANCH ESAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

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**GLOBAL CLIMATOLOGY BRANCH** US AFETAC ATE WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMAI

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GLOBAL CLIMATGLOGY BRANCH USAFETAC Alm Weather Service/MAC

USE WITH CAUTION
BEE FIRST PAGE

#### PSYCHROMETRIC SUMMA

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WILLIAMS AFB AZ

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PAGE 1

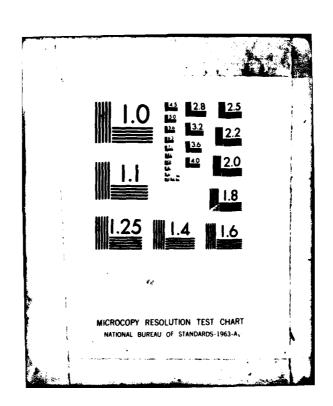
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USAFETAC NOW 0.26-5 (OLA)



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# PSYCHROMETRIC SUMMARY

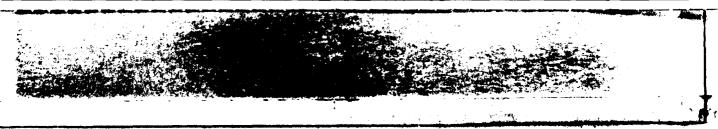
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PAGE 2

0300-0500

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ

69-70,73-80

0600-0800

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Dry Bulb									$\perp \Gamma$												
Wet Bulb									T												

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 HILLIAMS AFB AZ 69-70,73-80 SEP STATION STATION MAKE 0600-0800 HOURS (L. S. T.) WET OULS TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 2 . 4 5 . 6 7 . 5 . 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 - 20 21 . 22 23 . 24 25 - 26 27 - 20 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) ~ 1/ 23 / 19 9.417.721.318.012.0 3.5 1.6 3.1 4.8 5.3 734 TETAL 734 X 7, 41.413.864 74.0 6.619 59.3 5.906 30403 Element (X) No. Obs. 734 1400203 ±67 F = 73 F = 80 F = 93 F 10F 2 32 F Dry Bulb 405401 54333 734 78.4 2606412 43524 734 90 Wet Bulb Dew Paint 35168 47.9 9.600

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ

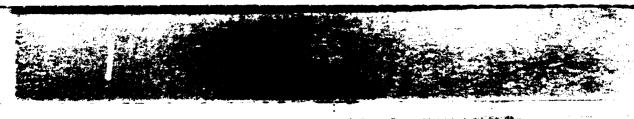
69-70,73-80

SEP

0900-1100

PAGE 1

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 2:104 69-70,73-80 WILLIAMS AFB AZ SEP VE ARS STATION STATION NAME 0900-1100 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-10 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point (F) 34/ 33 14 2/ 31 29 27 25 2 1/ 23 2/ 21 / 19 -5 1.5 1.1 1.9 1.9 3.4 5.811.214.616.714.612.8 7.0 3.8 3.0 874 874 TTTAL 874 874 ತ

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Element (X)

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** SEAFETAC AIR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-77,73-80 SEP STATION PAGE 2 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-20 29-30 = 31 D.B./W.S. Dry Bulb Wet Bulb Dew Point 30 ./ 35 13 33 18 31 12 1 27 8 25 3 3 4/ 23 .9 1.0 1.1 1.4 1.6 2.3 5.511.210.215.416.215.317.7 876 876 TAL 876 876 ತ Mean No. of Hours with Temperature 65485 876 +67 F = 73 F - 80 F - 93 F Rel. Hum. 10F ± 32 F 80632 92.0 5.733 66.4 3.913 7450586 90.0 89.7 86.8 876 Dry Bulb 3872672 58144 876 90 Wet Bulb 43637

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GLCBAL CLIMATOLOGY BRANCH, US AFETAC ATR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

2:104 STATION

WILLIAMS AFB AZ

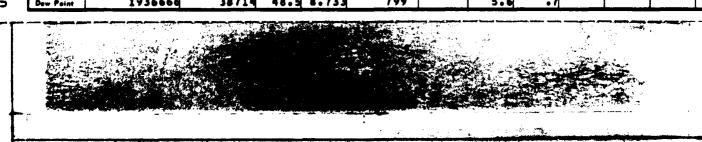
69-70,73-80

YEARS

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1500-1700

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ
STATION STATION NAME

69-70,73-80

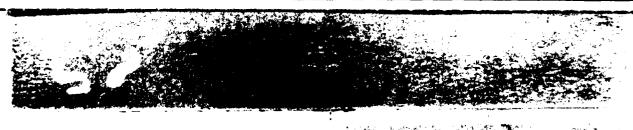
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1800-2000

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Dry Bulb						4_															
Wet Bulb																					
Dow Point																					

AFETAC TOTAL 0.26-5 (OLA)



GLÓBAL CLIMATOLOGY BRANCH USAFETAC Al's Weather Service/Mac

#### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70,73-80

YEARS PAGE 2

MONTH 1800-2000 HOURS (L. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point 15 3:/ 37 15/ 35 27 34/ 33 15 12/ 31 15 5.8 1 27 25 23 / 19 2.0 2.0 1.2 2.6 4.6 6.310.914.617.315.010.911.3 652 652 652 26.311.224 Meen No. of Hours with Temperature No. Obs. Element (X) 17116 = 67 F = 73 F 90 ⋅0 89 ⋅6 531328 652 Rel. Hum. ⇒ 80 F + 93 F 89.1 6.571 64.8 4.289 5208097 652 58115 Dry Bulb Wet Bulb 2746565 42225 652 48.3 8.980

AC FORM Q-26-5 (OL.A) REVISED PREVIOUS EDITIONS OF THIS

GLOBAL CLIMATOLOGY BRANCH USE WITH CAUTION U" AFETAC PSYCHROMETRIC SUMMAR SEE FIRST PAGE ATR WEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 SEP VEARS STATION STATION NAME PAGE 1 2100-230 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Pa (F) 6/ 95 • 3 • 6 • 3 \_ 3 4/ 93 91 1.0 .6 1.6 1.9 2.3 1.0 • 3 14 14 1.0 / 89 8/ 87 3.2 26 26 • 6 1.0 6/ 85 4.2 36 36 2.6 1.9 2.3 4/ 83 1.0 2.6 1.0 42 42 1.6 1.9 2.9 2.3 1.3 36 36 / 81 3.2 3.2 1.9 79 1.0 1.0 1.6 1.3 36 36 • 6 1.9 \_ . 3 7 : / 77 29 29 .6 1.0 *t1* 75 1.0 23 23 . 3 . 3 1.6 . 6 4/ 73 . 6 21 21 • 6 71 1.0 1.0 10 10 / 69 3 25 36 5 / 67 44 6/ 65 4/ 63 49 2/ 61 48 30 59 6 c/ 57 32 55 10 4/ 53 51 21 5 / 49 4 / 47 40/ 45 4/ 43 42/ 41 4 / 39 3 o/ 35 34/ 33 2/ 31 3 / 29 Element (X) Mean No. of Hours with Temperatur ± 67 F = 73 F = 80 F Rel. Hum. 1 32 F - 93 F Tetal Dry Bulb Wet Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION BEE FIRST PAGE

## **PSYCHROMETRIC SUMMARY**

PAGE 2

WILLIAMS AFB AZ 2 104 STATION

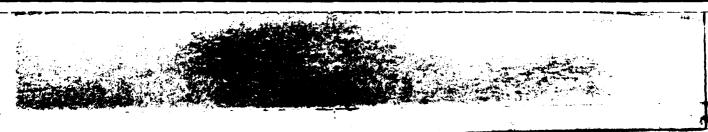
69-70,73-80

SEP

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Wer Bulb			9572		192	70	62.4	5.0	48	- 3	09				20			<del>                                     </del>	<del>1</del>		9
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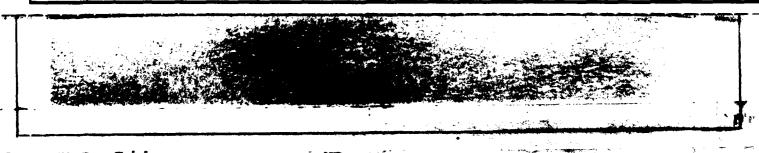
GLOBAL CLIMATOLOGY BRANCH US AFETAC ALR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 1074 WILLIAMS AFB AZ 69-70,73-80 SEP

STATION STATION NAME VEARS PAGE 1 ALL HOURS (L. S. T.)

Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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o/ 95								l		l		. 3	. 9	1.2	1.6	1.3	2.1		329	1	ĺ
+/ 93											• 1	.7	1.0		1.9	1.5	1.6		391		
./ 91					<u> </u>			L	L	.0	5	1.1	1.9	1.7	1.5	1.2	1.0				L
/ 89									- 1	. 4	1.0	1.7	1.7	1.7	1.0	. 7	• 5	392	392		
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4/ 83		1				.0	- 1	. 3	. 4	- 9	1.1	. 9	7	4	3	1	[	242			<u> </u>
1/ 61						•0	• 2	. 6	- 8	1.2	1.0	.6	• 5	• 3	_			246			
/ 79						. 3	.4	- 7	.8	.8	1.1	. 4	- 3	_ • 3	• 0		1	231	231		<u> </u>
7 / 77		}			• 2	. 4	• 3	• 7	• 9	• 6	• 7	• 3						194	194		
5/ 75		<u> </u>		_ •2	. 3			. 8	- 6	. 7	. 4	. 3	- 1	. 0	<u> </u>	l		182	I		
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USAFETAC POPE C. C.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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#### **PSYCHROMETRIC SUMMARY**

HOURS (L. S. T.)

72C

720

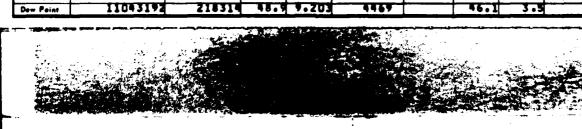
2.134 WILLIAMS AFB AZ 69-70,73-80 SEP STATION PAGE 2 ALL

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 20 29 - 30 = 31 D.B./W.B. Dry Buth Wet Buth Dow Point (F) 138 37 35 90 3 ./ 33 114 64 27 42 25 39 -/ 23 2/ 21 / 19 5 4/ 17 2.5 3.3 5.6 6.9 8.4 8.910.110.110.6 9.8 8.411.6 TAL 4469 4469 4469 4469 2<sub>x</sub> Element (X) 30.213.723 No. Obs. Mean No. of Hours with Temperature 4908237 4469 \*67 F \*73 F \*80 F \*93 F 697 \*8 645 \*7 538 \*1 207 \*5 Rel. Hum. 1 32 F 86.0 9.578 63.9 5.404 33496298 384530 4469 Dry Bulb

4469

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Wet Bulb



GLOBAL CLIMATOLOGY BRANCH
CLAFETAC
AIR WEATHER SERVICE/MAC
20104 WILLIAMS AFB AZ

USE WITH CAUTION SEE FIRST PAGE

## **PSYCHROMETRIC SUMMARY**

104 WILLIAMS AFB AZ 69-70,73-80
STATION STATION NAME YEARS

PAGE 1 0300-0500

OCT

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1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point Temp. (F) 9 2.6 4.3 3.0 8.114.022.620.413.6 9.8 1.7 TAL 235 235 235 235 0-26-5 (OL Element (X) Mean No. of Hours with Temperature 976 41.615.893 Rel. Hum. 465120 +67 F +73 F +80 F 1 32 F 1 0 F 59.7 7.900 47.9 7.179 852345 235 14031 Dry Bulb Wet Bulb 55148 11259 235

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SEPRICE/MAC

# PSYCHROMETRIC SUMMARY

2 104 HILLIAMS AFB AZ STATION NAME

69-70,73-80

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OCT

PAGE 1 0

0600-0800

Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ

69-70,73-80

OCT MONTH

0900-1160

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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GLOBAL CLIMATOLOGY BRANCH US AFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC 2:104 WILLIAMS AFB AZ 69-70,73-80 GCT STATION STATION NAME 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.S./W.S. Dry Bulk Wet Bulk Dow Point 1 - 2 3 - 4 3 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 10 19 - 20 21 - 22 23 - 24 25 - 26 27 - 20 29 - 30 = 31 27 37 32 ./ 25 23 2 C 20 2/ 21 19 14 9 ./ 1/ / 15 1/ 13 1 / 11 TAL 1 1 3 2 0 3 2 3 7 4 2 7 6 2 6 1 2 6 1 4 2 1 3 2 1 1 7 7 1 4 5 1 3 903 903 903 ತ 105299 903 447 F 473 F 488 F +93 F Rel. Hum. 74.3 8.950 55.9 6.23/ 39.4 10.631 703 72.4 5058453 67101 34.2 Dry Bulb 2855926 50470 703 Wet Bulb 35588 1504630

GLOBAL CLIMATOLOGY BRANCH US AFETAC ATP WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 174 STATION wILLIAMS AFB AZ

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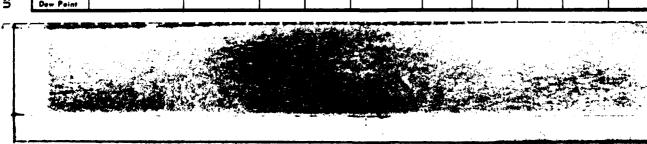
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GLOBAL CLIMATOLOGY BRANCH LSAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

2 174 WILLIAMS AFB AZ

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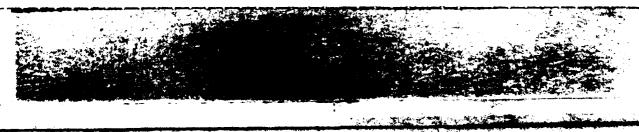
PAGE 1

YEARS

1500-1700 HOURS (L. S. T.)

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SUCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC A 12 WEATHER SERVICE/MAC 2 104 \*ILLIAMS AFB AZ 69-70,73-80 OCT YEARS STATION STATION NAME MONTH 1500-1700 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 35 45 3 4/ 33 69 31 51 1 29 35 27 44 :/\_25 27 36 ·/ 23 17 / 19 1/ 17 1 / 15 1/ 13 1./ 11 TAL .7 1.1 1.0 2.1 2.6 3.4 5.0 7.8 8.810.414.613.312.117.0 820 820 820 820 Š 0.26.5 22.011.734 Meen No. of Hours with Temperature Element (X) No. Obe. 510790 820 Rei. Hum. 18066 10F 1 32 F ± 67 F = 73 F = 80 F • 93 F 83.5 9.026 59.0 5.249 820 89.6 80.8 63.7 5788644 18.1 68498 Wet Bulb 2874979 48363 820 93 93

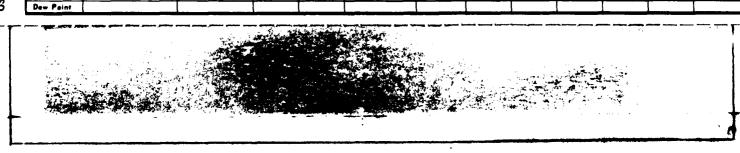
GLOBAL CLIMATOLOGY BRANCH OF AFETAC AL: REATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2 194 WILLIAMS AFR AZ 69-70,73-80 OCT

STATION STATION NAME YEARS PAGE 1 1850-2360
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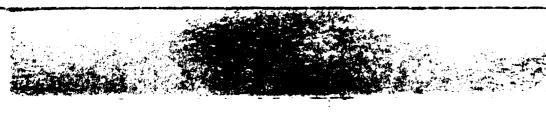
GLOBAL CLIMATOLOGY BRANCH US AFETAC ALP WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

2 104 HILLIAMS AFB AZ 69-70,73-80 OCT
STATION STATION NAME YEARS
PAGE 2 1800-2000

HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dow Point 27 31 48 / 29 35 :/ 27 23 / 25 24 23 15 2/ 21 18 10 16 / 17 ./ 15 ./ 13 ·3 2·1 2·2 2·2 2·6 4·6 8·810·415·413·414·111·3 7·2 2·8 2·4 TAL 680 680 680 680 27.013.062 612493 18377 680 +67 F +73 F +80 F +93 F Rel. Hum. 2 0 F ≤ 32 F 76.3 9.075 56.0 5.925 79.9 4015276 51888 680 62.0 34.1 93 Dry Bulb 38104 2159308 680 4 .4 Wet Bulb 1037329 37.710.166

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GLOSAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMAR** USAFETAC USE WITH CAUTION AIR WEATHER SERVICE/MAC SEE FIRST PAGE 69-70,73-80 OCT 2 1104 WILLIAMS AFB AZ YEARS STATION STATION NAME 2190-236 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.S./W.S. Dry Bulb Wet Bulb Dew Po (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 21 8/ 87 6/ 85 4/ 83 / 91 1.0 13 79 1. . 6 77 10 75 1.0 14 14 آن 26 3.2 71 1.3 29 29 1.3 1.6 69 1.0 1.6 22 22 2.9 2.9 2.2 1.9 40 4 53/ 67 2.2 3.8 28 6/ 65 16 4/ 63 16 1.0 20 20 61 22 1.3 59 1.3 1.0 1.9 22 17 • 6 57 2.2 19 18 . 6 5:/ 55 1.0 19 27 1.9 43 4/ 53 1.0 2/ 51 40 • 6 5 / 49 33 47 45/ 45 22 1 4/ 43 2 13 -2/ 41 4 ./ 39 10 3 %/ 37 2 3u/ 35 2: 34/ 33 ತ 21 31 1 29 0.26.5 2 3/ 27 :/ 25 24/ 23 2/ 21 Element (X) ±67 F +73 F +80 F + 93 F Rel. Hum. 1 32 F Tetal Dry Bulb Wet Bulb Dew Paint

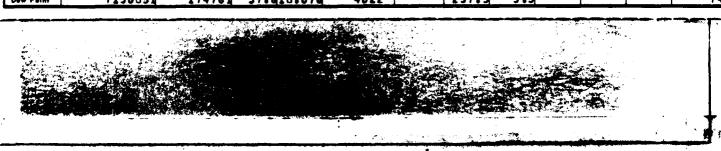
GLOBAL CLIMATOLOGY BRANCH USAFETAC USE WITH CAUTION **PSYCHROMETRIC SUMMAR'** SEE FIRST PAGE ATH WEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 OCT STATION NAME 2100-2360 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 a 31 D.B./W.B. Dry Sulb Wet Bulb Daw Poir (F) 10 / 19 / 17 8 8 1./ 15 :/ 13 1 / 11 TETAL 2.6 2.9 4.2 3.8 7.114.719.216.313.1 9.0 6.1 312 312 312 312 ĝ 0.26.5 No. Obs. Element (X) Mean No. of Hours with Temperature 167 F 173 F 51 .6 24 .4 409404 Rel. Hum. ± 32 ₽ 67.2 8.174 51.5 6.449 35.310.842 20966 1429934 312 93 Dry Bulb Wet Bulb 838996 16054 312 1.5 93 40.5 93 Dew Point 426074 11024

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ OCT 69-70,73-80 PAGE 2

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GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

. USE WITH CAUTION SEE FIRST PAGE

# **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ 2 134 STATION

69-70,73-80

NOV

9390-0500

PAGE 1

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GLOBAL CLIMATOLOGY BRANCH
US AFETAC
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2 104 WILLIAMS AFB AZ
STATION NAME
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USE WITH CAUTION BEE FIRST PAGE

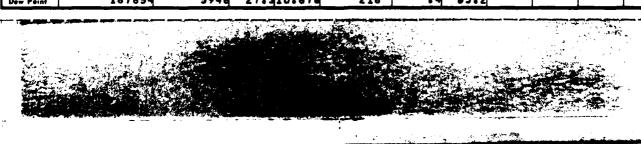
## **PSYCHROMETRIC SUMMARY**

4 WILLIAMS AFB AZ 69-70,73-80

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PAGE 2 0300-6500

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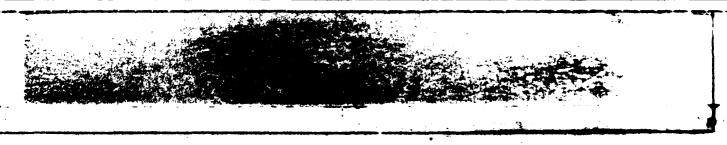
GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70,73-80 NOV

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PAGE 1 0600-0800
HOURS (L. S. T.)

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** UT AFETAC ATH WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-70,73-80 NOV PAGE 2 3600-0800 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 0 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point (F) 1 TAL 9.5 9.921.219.718.812.2 2.7 730 730 730 730 õ Element (X) 46.718.125 Mean No. of Hours with Tomperature 34091 183133 730 Rel. Hum. 2 0 F s 32 F \*67 F = 73 F = 80 F = 93 F 48.8 6.703 40.0 6.154 1768274 35594 730 Dry Bulb 1195207 2919 11.5 90 730 Wet Bulb 20127 27.410.74 90 Dew Paint 61.4

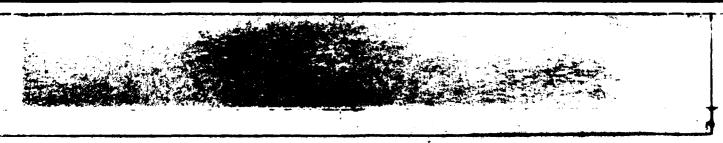
GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

2 104 HILLIAMS AFB AZ 69-70,73-80 NOV

STATION STATION NAME YEARS
PAGE 1 0900-1100
HOURS (L.S. T.)

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GLIBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** U" AFETAC All WEATHER SERVICE/MAC HILLIAMS AFB AZ 69-70,73-80 NOV STATION PAGE 2 0900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point **(F)** / 15 16 7 11 5 1.6 4.2 5.1 5.8 8.811.013.115.113.412.3 6.4 2.0 1.2 857 857 TAL 857 857 Element (X) No. Obs. Mean No. of Hours with Temperature 35.917.687 1375069 3080 Rel. Hum. 857 ±67 F = 73 F = 80 F = 93 F 20F ≤ 32 F 61.7 7.970 47.7 5.322 857 3318502 32890 Dry Bulb 1977896 40916 Wet Bulb 857 31.8 7.762 Dew Paint

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** J' AFETAC AIR WEATHER SERVICE/MAC WILLIAMS AFB AZ 69-70,73-80 NOV STATION STATION NAME 1200-1400 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 28 | 29 . 30 | \* 31 D.S./W.B. Dry Bulb / 89 3/ 87 5 85 22 4/ 33 22 81 44 44 2.8 • 5 72 72 79 1.6 3.1 2.1 3.4 1.3 67 67 2.9 76 75 3.1 1.3 76 73 2.1 2.3 77 1.4 1.5 77 4/ 2.8 77 71 1.2 2.2 77 2.1 2.8 1.0 2.4 1.2 69 ./ 67 1.3 1.5 1.2 1.5 66 1.6 67 67 6/ 65 4/ 63 38 •6 63 39 39 59 .7 39 39 24 24 57 • 2 5 1 55 16 16 143 10 53 10 10 141 4/ . 1 150 5 2/ 51 113 6 50/ 49 6 4 3/ 47 88 25 54 45 11 3/ 20 43 55 12 2/ 41 10 4 ./ 39 57 45 3 ./ 37 91 35 34/ 33 65 9 94 2/ 31 29 62 54 o/ 27 `5/ 25 45 39 24/ 23 Element (X) USAFETAC Rel. Hum. Dry Bulb

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Wet Bulb Dew Peint 2 104 STATION WILLIAMS AFB AZ 69-70,73-80

**PSYCHROMETRIC SUMMARY** 

NOV

PAGE ?

1200-1400

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GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AL WEATHER SERVICE/MAC 21114 69-70,73-80 NOV WILLIAMS AFB AZ STATION NAME YEARS STATION MONTH PAGE 1 1570-1700 HOURS IL. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 91 / 89 8 8/ 87 5 6/ 85 1.3 22 1.1 1.9 <u> 9</u> 3 31 31 81 1.4 4.2 1.0 64 64 1.4 2.2 73 3.6 1.8 1.1 2.9 3.6 81 1.4 1.4 2.9 1.0 75 56 56 4/ 73 1.4 2.9 2.0 1.8 73 73 1.0 2.2 2.9 71 2.3 81 81 1.3 / 69 1.0 1.8 2.3 59 59 / 67 1. 1.3 1.0 44 44

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GLUBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** L AFETAC A: 4 WEATHER SERVICE/MAC 2:104 AILLIAMS AFB AZ NOV 69-70,73-80 STATION 1500-1760 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 23 19 41 15 17 ·/ 13 11 5 3.3 4.7 5.2 6.8 7.5 13.9 14.6 14.6 14.3 6.8 1.5 1.5 785 TAL 785 785 785 0.26-5 (OL A) 25.214.396 No. Obs. Mean No. of Hours with Temperature Element (X) 785 661741 ±47 F = 73 F 90 72.4 8.393 52.4 4.678 4166677 56811 785 Dry Bulb 2174468 785 41152 Wet Bulb 865193

GLOBAL CLIMATOLOGY BRANCH UNAFETAC Alm Weather Service/Mac

(OL A)

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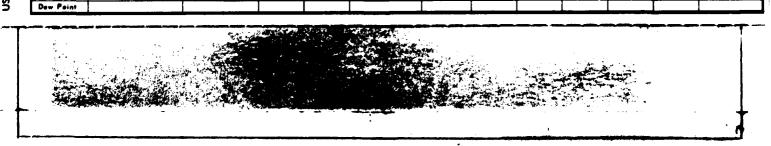
Wet Bulb

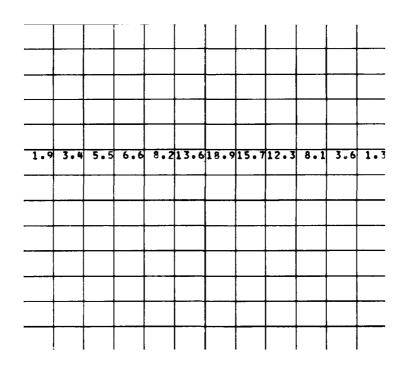
#### **PSYCHROMETRIC SUMMARY**

HOURS (L. S. T.)

2 1/4 | STATION | STATION NAME | 69-70,73-80 | NOV | MONTH | PAGE 1 1830-2000

WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 31 D.B./W.B. Dry Bulb Wet Bulb Dew Paint (F) 6/ 35 4/ 83 ../ 81 • 2 79 77 . 8 • 2 12 • 3 1.0 s/ 75 26 4/ 73 2.1 24 24 71 25 1.5 1.5 2.1 66 66 69 1.6 1 67 • 6 1.0 1.6 2.7 2.3 54 67 67 65 1.6 2.3 3.1 2.1 1.1 54 54 1.8 2.3 2.1 4/ 63 . 8 1.3 1.1 1.1 1.9 55 55 61 1.0 2.6 1.5 56 56 / 59 1.8 - 8 1.9 / 57 1.9 • 8 48 48 1.0 • 8 46 46 40 1.6 2.6 53 . 8 1.3 28 28 61 15 15 76 4/ 51 110 47 / 47 10 10 00 62 41/ 45 44 4/ 43 2/ 41 4 / 39 32 3 3/ 37 47 5/ 35 3 4/ 33 2/ 31 1 29 ./ 27 c/ 25 4/ 23 29 2/ 21 / 19 Element (X) ZX, Mean No. of Hours with Temperature \*67 F \* 73 F \* 80 F • 93 F Rel. Hum. Total 10F s 32 F Dry Bulb





GLOBAL CLIMATOLOGY BRANCH
CHAFETAC
AIR HEATHER SERVICE/MAC

2 104 HILLIAMS AFB AZ

STATION

USE WITH CAUTION GEE FIRST PAGE

69-70,73-80

#### **PSYCHROMETRIC SUMMARY**

PAGE 1

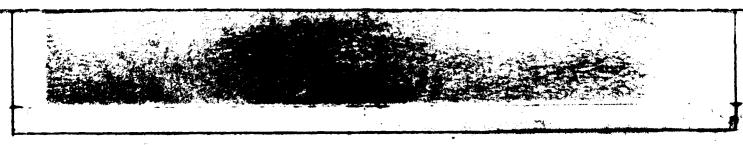
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WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point / 67 6/ 65 4/ 63 .4 1.6 13 13 2.0 2.4 23 1.2 23 J 61 59 2.0 .8 3.2 3.2 2.0 23 23 4.0 2.8 42 / 57 42 5 / 55 1.2 . 8 2.4 2.0 2.4 30 4/ 53 33 33 / 51 2.0 2.4 26 26 17 13 ./ 47 12 36 1.2 1.2 . 8 4:/ 45 7 43 1.6 35 4/ 43 . 8 6 21 . 4 2/ 41 3 7 3 / 37 24 \* :/ 35 13 15 34/ 33 31 23 29 27 o/ 25 23 13 4/ 2/ 21 11 19 1 1/ 17 10 1 / 15 8 14/ 13 1 2/ 11 9 3/ 5 4/ Element (X) Rei. Hum. 107 1 32 F #47 F # 73 F # 80 F • 93 F Total Dry Bulb Wet Bulb Dew Paint

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GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USE WITH CAUTION USAFETAC ATR WEATHER SERVICE/MAC SEE FIRST PAGE WILLIAMS AFB AZ NOV 2 104 69-70,73-80 YE ARS STATION MONTH PAGE 2 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point 1 - 2 4 - 5 9 - 3 8 - 9 1 5 - 0 1 4 - 6 2 3 - 1 1 7 - 0 4 - 5 1 - 6 4 2 4 7 2 4 7 TAL 247 247 0-26-5 Element (X) 40.017.231 9872 467602 -73 F | +80 F 20 F 3 32 F # 67 P Rel. Hum. 55.4 5.827 44.0 5.449 29.411.409 767344 247 Dry Bulb 13692

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GLOBAL CLIMATOLOGY BRANCH
LOAFETAC
AIR WEATHER SERVICE/MAC

2 104 MILLIAMS AFB AZ
STATION STATION

#### **PSYCHROMETRIC SUMMARY**

HOURS (L. S. T.)

AMS AFB AZ 69-70,73-80 NOV
STATION NAME YEARS PAGE 1 ALL

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Daw Point (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 / 91 / 89 • 0 6/ 85 // 81 . 0 . 6 1.1 1.3 1.4 . 6 1.3 1.4 4/ 73 1.3 1.0 . 0 1.3 • 7 1.1 • 6 • 0 1.0 4/ 63 . 2 1.1 . 1 • 9 • 6 1.1 1.3 1.1 1.3 1.0 1.0 1.0 54/ 53 5.21 . 1 5./ 43/ 45/ 45 4/ 42/ 41 U :/ 36/ 34/ 33 2/ 20/ 27 74/ 25 Element (X) Rel. Hum. 10F 2 47 F 273 F 280 F

ETAC FORM 0-26-5 (OLA) W

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
ATRIAL MEATHER SERVICE/MAC

23104 FILLIAMS AFB AZ
STATION STAT

#### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFR AZ 69-70,73-80 NOV
STATION STATION NAME YEARS PAGE 2 ALL
HOURS (L. S. T.)

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Wet Bulb			0036		2053			7.0			15			20.						1		72
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USAFETAC MORNING

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR MEATHER SERVICE/MAC

WILLIAMS AFB AZ

2.104 STATION USE WITH CAUTION

YEARS

#### **PSYCHROMETRIC SUMMARY**

69-70,73-80

DEC

PAGE 1

0300-0500 HOURS (L. S. T.)

			<u> </u>																		L. S. T.)
Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	5510H (	F)						TOTAL		TOTAL	
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= / 49		1.1	1.6	. 5	2.2	2.2	1.6	• 5						<u> </u>	1			18		_	2
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4/ 43		1.1	1.6	3.3		2.2												27	27	9	2
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DOW POINT		14	7310			47	27.0	7,,,	74		94										_

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

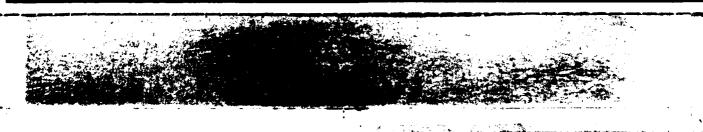
#### **PSYCHROMETRIC SUMMARY**

WILLIAMS AFB AZ 69-70,73-80 DEC MONTH

STATION NAME

PAGE 1 0600-0800 NOURS (L. S. T.)

Temp.		-				WET	BULB '	TEMPER	ATURE	DEPRE	SSION	(F)						TOTAL		TOTAL	
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Wet Builb			2186		243			5.8		-	93		_	32.9				<del>                                     </del>	+	<del></del>	9:
Dow Point			7815		172			10.0			93		-4	75.0				+	+		93



GLORAL CLIMATOLOGY BRANCH US AFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 2 : 134 "ILLIAMS AFB AZ 69-70,73-80 DEC STATION STATION NAME 0900-1100 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. (F) 1 . 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | × 31 | D.8./W.B. Dry Bulb | Wet Bulb | Dow Point 4/ 73 . 1 . 4 <del>6</del>.5 • 1 4/ 63 2.1 1.5 • 2 2.6 1.6 1.4 **5** 2.4 2.8 3.1 2.2 5 / 47 2.2 1.9 1.6 1.3 . 6 76/ 2/ Element (X) No. Obs. Mean Ho. of Hours with Temperature Rel. Hum. 1 32 F € 93 F Dry Bulb Wet Bulb

GLUBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ 69-70,73-80 STATION NAME 0900-1100 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.S. Dry Bulb Wet Bulb Dew Point TAL 4.3 7.611.914.113.318.213.010.0 5.3 1.8 851 851 851 851 Mean No. of Hours with Temperat Element (X) ¥ 44.118.438 No. Obs. 1946544 851 Rel. Hum. +67 F +73 F +80 F s 32 F 2361025 44403 52.2 7.210 Dry Bulb 851 1533177 42.1 5.297 35839 851 3.7 28.9 9.293 24568 Dew Paint

45/4 GLIBAL CLIMATOLOGY BRANCH CHAFETAC **PSYCHROMETRIC SUMMARY** ATR WEATHER SERVICE/MAC \*ILLIAMS AFB AZ 2 1104 69-70,73-80 DEC STATION NAME 1200-1460 PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.S./W.S. Dry Bulb Wet Bulb Dew Point / 79 • 2 7 / 77 . 2 75 1.2 12 12 1.2 21 4/ 73 . 1 21 2.6 71 1.4 45 45 1.3 3.1 1.9 64 / 69 64 E:/ 67 2.3 3.6 90 90 . 9 4.2 2.6 100 100 6/ 65 92 92 4/ 63 1.6 2.6 1.3 1.2 61 . 8 61 59 2.1 .6 84 1.9 1.6 84 -/ 57 1.5 2.3 1.5 74 74 . 6 71 71 31 5 / 55 1.4 1 . 4 2.5 +/ 53 1.2 54 54 55 1.2 1.6 . 6 2 51 27 27 102 11 5 / 49 14 14 153 . 2 10 . 1 2 / 47 • 2 13 13 154 18 8 124 7 4 3/ 45 4/ 43 109 3 r, 59 - 2/ 41 21 4 1 39 36 30/ 37 8 ::/ 35 71 4 34/ 33 -2/ 31 90 1 29 70 1 27 99 77 5/ 25 3 4/ 23 34 2/ 21 45 19 4 C 15/ 17 16/ 15 18 No. Obs. Mean No. of Hours with Temporal Rel. Hum. ± 67 F = 73 F + 93 F 10F s 32 F - 80 F Total Dry Bulb Wet Bulb

GLOBAL CLIMATOLOGY BRANCH US AFETAC ALE WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70,73-80 DEC MONTH
STATION STATION NAME PAGE 2 1230-1400

HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 / 11 17 2 7 4 5 3 4 4.6 6.3 7.0 8.7 3.8 3.4 16.1 15.0 8.1 3.6 852 TAL 852 852 852 No. Obs. Mean No. of Hours with Temperature Element (X) 32.516.133 1120715 27679 852 1 32 F #47 F # 73 F # 80 F # 93 F 62.0 7.196 47.2 4.596 852 26.6 3324235 52865 Dry Bulb 4.9 852 Wet Bulb 1913133 40183 822510 25240 29.6 9.375 60.0 Dew Point

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FETAC FORM 0-26-5 (OLA) sevise nevious serious of this fo

	Temp.										DEPRE								TOTAL		TOTAL	
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6/ 65	/ 69								• 1	1.2	2.4	1.9	2.4						64			
4/ 63       •11 •3 •5 •3 •4 •4 •2 •6 1.1 1.9 •3       56 56         2/ 61       •1 •3 •4 •4 •6 51.2 3.5 2.2 •8       70 70         / 59       •3 1.1 1.1 1.6 1.6 1.5 2.3 •3 1.4       70 70 70         - / 57       - 5 •5 •5 •5 •6 •6 1.4 •9       •1 50 50 30 1.         - / 55       - 5 •5 •9 •8 1.6 1.4 •9       •1 50 50 30 1.         - / 57       - 1 •5 •3 •3 •3 •3       111 111 84 33 8 8 121 3         - / 47       •1 •5 •3 •3 •1 •1       - 1 10 10 115 15         - / 47       - 1 •3 •1 •5 •3 •3 •1 •1       - 1 10 110 115 15         - / 45       - 4 1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •1 •	c / 67								1.2	1.6		3.9	1.8	• 5		L			86	86		
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7 59       .3 1.1 1.1 1.6 1.5 2.3 .3 1.4       70 70 2         7 57       .5 .5 .5 .5 1.1 1.2 2.3 1.5 .4 .1       57 57 7 1         5 7 55       .5 .5 .5 .9 .8 1.6 1.4 .9 .9       50 50 36 1         4 5 2       .1 .5 .3 .3 .3 .3 .3       111 11 64 3         7 61       .1 .5 .3 .1 .5 .3 .1 .1       8 8 121 3         6 7 47       .3 .1 .5 .3 .1 .1       10 10 115 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 10 115 10 10 10 115 10 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 115 10 10 10 10 115 10 10 10 10 115 10 10 10 10 115 10 10 10 10 115 10 10 10 10 10 115 10 10 10 10 10 115 10 10 10 10 10 10 10 10 10 10 10 10 10	4/ 63			• 1	• 3	. 5	• 3	. 4	. 1	2.6	1.1	1.9	• 3		l .				56			1
7 59     .3 1.1 1.1 1.6 1.5 2.3 .3 1.4     70     70     2       7 57     .5 .5 .5 .9 .8 1.6 1.4 .9     57 57 7 1     50 50 36 1       4 7 57     .1 .5 .3 .3 .3 .3 .3     111 11 64 3       7 51     .1 .5 .3 .1 .5 .3 .1 .5 .3 .1 .5 .3 .1 .5 .3 .1 .5 .3 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	2/ 61			• 1	• 3	. 4	. 4	• 5	1.2	3.5	2.2	. 8							70	70		
5 / 57       5 / 55       .5   .5   .5   .6   1.4   .9         .1   .5   .5   .5   .5   .5   .5   .5	/ 59				. 3	1.1	1.1	1.6	1.5			1.4				l				70	2	
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## PSYCHROMETRIC SUMMARY

1500-1700 PAGE 2

-																					L. S. T.)
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Dry Bulb		212	1127		476			7.4			37					-8	13.2	1.	ᢇ—		93
Wat Bulb			4187		354		70.1	4.6	71		37		+	. 8		$\rightarrow$			<del></del>	-	93
Dew Point		98	5745		214	43	67.1	9.2	9 0	7	737			62.8	i	i_					93

69-70,73-80



GLOBAL CLIMATOLOGY BRANCH of AFETAC

WILLIAMS AFB AZ

AT - WEATHER SERVICE/MAC

GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

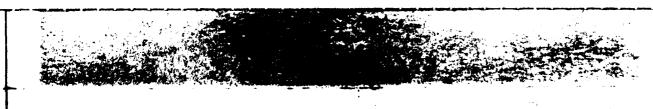
2 1 4 NILLIAMS AFB AZ 69-70,73-8" DEC MONTH

STATION STATION NAME VEARS

PAGE 1 18C0-2000

-QUAS (L. S. T.) TOTAL TOTAL WET BULB TEMPERATURE DEPRESSION (F) 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 | 11 . 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 . 20 | 21 . 22 | 23 . 24 | 25 . 26 | 27 . 20 | 29 . 30 | 21 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) / 71 / 69 / 67 2.0 27 27 6/ 65 27 . 4/ 63 1.8 1.8 27 61 37 37 48 59 48 / 57 5 / 55 62 62 77 11 4/ 53 1.0 77 37 37 1.0 42 49 2.4 44 1.0 4-/ 47 2.4 33 33 76 75 - / 45 4/ 43 71 26 2/ 41 4 / 34 55 21 3 1/ 37 33 24 20 30 ./ 35 23 3 ./ 33 50 31 1 / 29 39 39 2:/ 27 41 J 25 24/ 23 2/ 21 36 / 19 26 1/ 17 \_15 15 13 1 ./ 11 Element (X) Mean No. of Hours with Tomperature Rel. Hum. 1 32 F Wet Bulb

AFETAC FORM 0-26-5 (OLA) REVISE PREVIOUS TON



GLOBAL CLIMATOLOGY BRANCH US AFETAC A10 WEATHER SERVICE/MAC 20104 WILLIAMS AFB AZ

STATION NAME

#### **PSYCHROMETRIC SUMMARY**

DEC

1800-2000 Hours (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.S./W.S. Dry Bulb Wet Bulb Dow Point (F) 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.20 29.30 31 498 3.4 5.811.010.619.319.715.710.0 3.2 498 TAL 498 Mean No. of Hours with Temperature Element (X) No. Obs. 37.315.622 498 3 • 5 • 2 813967 Rel. Hum. 18573 s 32 P 55.7 6.360 43.6 5.030 498 27718 Dry Bulb 1562850 2.2 Wet Bulb 959184 21712 498 93 28.1 9.72 Dow Point 439513 13981 498 93

69-70,73-80

AC room 0.26-5 (OLA) seviso mevo

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GLOBAL CLIMATOLOGY BRANCH L , AFETAC AIR MEATHER SERVICE/MAC

## USE WITH CAUTION PSYCHROMETRIC SUMMARY SEE FIRST PAGE

FILLIAMS AFB AZ 69-70,73-80 DEC 2100-2300 HOURS (L. S. T.) PAGE 1

Temp.						WET	BULB	TEMPE	RATURE	DEPRE	SSION (	F)					-	TOTAL		TOTAL	
<b>(₹)</b>	0	1 - 2	3 - 4	5-6	7 - 8					17 - 10			23 - 24	25 - 26	27 - 28	29 - 30	<b>- 31</b>	D.B./W.B.	Dry Bulb	Wet Builb	Dew Peir
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-/ 61				ĺ	ł				.5									1	1		
/ 59								• 5									T	1	1		
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5 :/ 55						• 9	7	1.4	1.4									8	8		
4/ 53		}	• 5	2.7	1	1.8	1.8	. 9	1.4	.5		1				<b>\</b>	ł	21	21	1	ŀ
/ 51		• 5				5.9	1.4	1.8	. 5									32	32		
5 / 47			. 9	2.7	2.7	3.2	4.1	1.8	<u>.</u>	1 1		l J					ŀ	34	34	4	l
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2/ 41			1.8	1.8	. 9	2.7	1.4	<u> </u>	L	1		i i			[ ]		ļ	19	19		9
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GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

WILLIAMS AFB AZ

STATION NAME

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#### **PSYCHROMETRIC SUMMARY**

PAGE 1

Mean No. of Hours with Temperature

± 47 F = 73 F = 90 F

DEC

HOURS (L. S. T.)

Total

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. D.S./W.S. Dry Bulb Wet Bulb Dow Pain (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 . 1 • 2 • 1 1.0 1.6 1.0 4/ 63 . 8 7 61 1.1 . 4 .6 1.0 1.4 1.8 1.6 53/ 55 4/ 53 1.4 2/ 51 1.3 4 1 4/ 43 2/ 41 1.2 45/ 15/ 35 34/ 33 °2/ 25 24/ 23 

No. Obs.

10F

1 32 F

69-70,73-80

FETAC FORM 0-26-5 (OLA) BEYASO MENOUS EBRIONS OF THIS FORM A

1/ 19 3/ 17

Element (X)

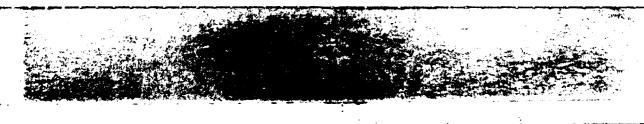
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Dry Bulb Wet Bulb Dew Paint GLOBAL CLIMATOLOGY BRANCH  $\boldsymbol{\upsilon}^{\boldsymbol{\mathsf{S}}}$  afetac ATR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

WILLIAMS AFB AZ 2 104 STATION DEC 69-70,73-80 PAGE 2 ALL

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Temp.						WET	BULB .	TEMPER	ATURE	DEPRE	SSION	(F)		· ·				TOTAL		TOTAL	T
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ew Point		767	0622		1126	6	27.9	6.7	1.1	40	72		4	21.3					1		74



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC 2 104 WILLIAMS AFB AZ STATION STATIO

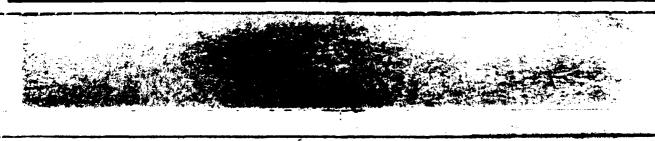
### **PSYCHROMETRIC SUMMARY**

2 104 WILLIAMS AFB AZ 69-70,73-81

STATION STATION NAME FAGE 1 ALL HOURS (L. S. T.)

Temp.						_	WET	BULB	TEMPER	ATURE	DEPRE	SSION (	(F)						TOTAL		TOTAL	
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	95										•0	_		• 4			. 4		1820			<b></b>
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	61		-: d	• 1	-:1	1 .2	- 4	• 6								<del>-  </del>				1905		
	59		• d	.1	. 2	1 1	. 6	. 7	. 8		. 3		1 .						2093		2745	
	57	• 0	• d	• 1	• 3		.6	-		• 5									1857	1857		
	55	٦٠		. 2		1 .	. 5		. 6		. 1	1 -										1622
	53	•0	1	• 3	. 5		.6														3468	
5.2/				. 4	.4	.4	. 5		. 3					i	1 1							1710
Element	-	-	\$ 11'			2 1		I	7,		No. O				•	Mean N	lo. of H	ours wit	Temperat			
Ral. Hum	_	-						~		$\neg$			10	,	1 32 F	= 67		73 F	- 80 F	= 93 (	,	Total
Dry Bulb	<del>-</del>				_		$\dashv$			$\neg$									<del>                                     </del>		$\neg$	
Wet Bulb	$\rightarrow$													1			十		<u> </u>	1		
Dew Peir	nt I						$\neg$							$\neg$					T	1		





GLOBAL CLIMATOLOGY BRANCH 55 AFETAC **PSYCHROMETRIC SUMMARY** AIP WEATHER SERVICE/MAC 2 174 WILLIAMS AFB AZ 69-70,73-81 STATION YEARS PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew (F) 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 1-2 3-4 5-6 7-8 / 49 • 0 . 4 • 2 1407 1407 3794 1703 • 0 1221 1222 3661 1873 47 . 1 1030 3229 2398 726 2628 2676 45 • 0 1030 .../ 2628 4/ 43 • 0 725 41 637 637 1993 2856 39 534 534 1632 3332 352 1197 3153 37 352 3 / 35 283 283 889 3442 653 3107 3 4/ 33 169 169 3/ 31 86 86 517 4025 29 55 55 285 2977 150 2729 72 2399 27 28 28 25 20 2399 45 1/ 23 1628 22 1569 2/ 21 19 1360 17 843 15 653 13 563 1 / 11 367 9 232 123 75 3 46 21 13 / -1 - 4/ -5 2 ₹ TOTAL 4.6 5.3 6.0 6.4 7.1 7.5 7.3 7.6 7.2 6.8 6.8 6.1 5.210.5 5 54916 54916 0.26.5 Mean No. of Hours with Temperature Element (X) 132 F 267 F 273 F 300 F 293 F 33.15297.44393.23431.01488.8 186.01521.3 208.6 77939171 32.818.535 54916 1801119 Rel. Hum. Tetal 73.117.927 54.61 .800 311322006 4015996 54919 8760 Dry Bulb 169841121 2995875 54916 876C 38.412.807 89225702 3.13182.9 35.6 8760 Dow Point

GLOSAL CLIMATOLOGY BRANCH OS AFETAC ATR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

#### **MEANS AND STANDARD DEVIATIONS**

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2 - 104

WILLIAMS AFB AZ

69-70,73-81

STATION			STA	ATION NAME						YEARS				
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	MEAN	42.7	46.0	47.8	52.3	61.0	70.4	79.7	77.8	72.1	59.7	48.9	42.4	58.
<b>3-</b> 05	S. D.	7.125	6.370	5.768	7.197	6.050	6.188	4.964	4.923	5.834	7.900	6.269	5.986	14.53
	TOTAL OBS	235	220	247	242	241	238	245	247	225	235	218	184	277
	MEAN	41.6	45.2	48.1	55.5	66.4	76.7	82.8	80.3	74.0	60.8	48.8	41.6	60.
o~ () 8	\$. D.	7.467				7.736		5.094						16.35
	TOTAL OBS	761	713		781	I		_		734	769		693	912
	MEAN	50.3	55 4	50.1	40.0	70.0	00.7	00.	00.6	05 5	7 7			71
	S. D.	50.2		59.1									- 1	71.
c-11	TOTAL OBS	7.023				7.385						1	7.210	16.54
	TOTAL COS	900	820	930	900	907	899	904	929	874	903	857	851	1067
	MEAN	59.2	64.7	65.9	76.0	85.3	96.2	97.6	96.8	92.0	81.9	70.5	62.0	79.
12-14	S. D.	6.399	6.804	8.421	9.160	7.645	6.664	4.680	4.329	5.733	8.876	8.073	7.196	15.62
	TOTAL OBS	900	822	930	900	907	900	906	930	876	903	859	852	1068
	MEAN	61.9	67.5	68.0	78.3	87.7	98.9	100.3	99.6	94.1	83.5	72.4	64.7	81.
. 5-17	S. D.	6.568				7.802		5.094						15.76
	TOTAL OBS	822	758	854	831	834	829			799	820		737	977
	MEAN	55.5	62.1	63.8	73.8	83.7	95.2	97.3	96.4	89.1	76.3	63.6	55.7	77.
· 3=20	5. D.	6.161	1			7.901					9.075		6.360	16.84
	TOTAL OBS	653	617		706	716	698	718	721	652			498	799
	MEAN	48.4	53.2	55.9	64.4	75.2	86.6	91.2	89.7	82.0	67.2	55.4	48.1	70.
1-23		6.176							4.576					16.74
1-23	TOTAL OBS	281	273					405		309	312		221	390
	MEAN		ļ	<u> </u>										
	S. D.				i							İ	Ì	
	TOTAL OBS		Į	į i				į į					į	
	TOTAL OBS		<u></u>	<del> </del>								<del></del> -		<del></del>
ALL	MEAN	52.9						93.0						73.
HOURS	\$. D.			10.638										17.92
	TOTAL OBS	4552	9223	4817	4706	4775	4738	4803	4863	4469	4622	4315	4036	5491



GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

## SEE FIRST PAGE MEANS AND STANDARD DEVIATIONS

WET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2 104

WILLIAMS AFB AZ

69-70,73-81

STATION STATION NAME YEARS HRS. (L.S.T.) SEP. OCT. FEB MAR JUN. NOV. DEC. ANNUAL JAN. APR. MAY JUL. AUG. MEAN 38.1 39.8 41.0 42.2 47.6 52.5 64.5 63.3 58.1 47.9 40.0 35.6 47.9 S. D 3-05 6.962 6.497 5.366 4.976 5.249 5.374 5.154 5.707 5.876 7.179 5.861 5.460 11.179 TOTAL OBS 247 220 242 238 245 247 225 235 184 2776 234 241 218 59.3 37.2 39.3 50.7 65.8 48.7 MEAN 41.4 44.3 55.9 64.7 40.0 35.2 48.8 S. D. 7.147 5.498 5.520 5.346 4.693 5.319 5.906 7.478 11.877 6-09 6.608 5.582 6.154 5.880 TOTAL OBS 761 713 802 781 783 773 784 798 734 769 730 693 9121 MEAN 42.8 45.6 47.6 50.9 56.4 61.5 68.6 68.5 64.4 55.9 47.7 42.1 54.5 6.011 5 D. 5.369 4.671 4.266 4.072 4.403 5.297 10.420 4.651 3.325 3.811 6.237 5.322 TOTAL OBS 900 820 929 930 907 899 904 929 874 903 857 10673 MEAN 47.2 49.5 5ú.2 53.4 58.6 64.0 70.2 69.9 66.4 58.8 51.8 47.2 57.4 12-14 S. D. 5.001 4.593 4.645 4.631 4.037 3.699 2.952 3.480 3.913 5.516 4.670 4.596 9.334 TOTAL OBS 900 822 930 900 907 900 906 930 876 903 859 253 10685 59.2 70.1 MEAN 50.4 50.5 54 . Q 65.0 70.6 59.0 48.1 48.3 66.5 52.4 58.0 4.599 15-17 S. D. 4.597 3.500 3.843 4.657 4.294 3.865 2.644 3.417 5.249 4.678 4.641 9.108 758 854 829 799 820 737 TOTAL OBS 822 830 834 841 860 785 9769 43.6 MEAN 45.5 48.3 48.9 52.2 57.7 63.5 69.6 68.8 64.8 56.0 48.4 56.1 5.086 S. D. 3.835 3.598 2.594 3.591 4.289 5.925 5.301 5.030 : 3-23 4.742 4.608 4.693 9.817 TOTAL OBS 653 617 712 706 716 698 718 721 652 680 619 498 7990 MEAN 45.1 59.6 67.8 66.7 62.4 51.5 39.1 53.3 41.2 43.8 48.3 54.2 44.0 3.943 6.449 SD 5.499 5.028 4.861 4.551 4.028 3.216 4.089 5.048 5.449 5.166 10.700 312 TOTAL OBS 401 247 281 273 342 346 387 405 378 309 221 3902 MEAN S. D. TOTAL ORS MEAN 55.1 47.6 47.3 50.4 55.9 61.4 68.7 68.1 63.9 54.6 ALL S. D 6-960 6.642 5.970 6.116 5.556 5.527 3.899 4.619 5.404 7.355 7.001 6.972 10.800 **HOURS** TOTAL OR 4705 4775 4738 4303 4863 4469 4315 4622



GLOBAL CLIMATOLOGY BRANCH OSAFETAC ATR WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE

#### **MEANS AND STANDARD DEVIATIONS**

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

2 104

WILLIAMS AFB AZ

69-70,73-81

STATION STATION NAME YEARS HRS. (L.S.T.) FEB MAR JUN. SEP OCT. NOV DEC ANNUAL JAN APR. MAY JUL. AUG. MEAN 31.5 29.4 53.4 46.7 34.8 27.3 24.6 36.3 31.0 31.8 32.1 34.3 54.4 S. D. 3-05 9.77810.87610.018 7.590 9.97310.095 9.648 9.422 9.91211.33310.878 9.942 13.805 TOTAL OBS 242 2776 234 220 247 241 238 245 247 225 235 218 184 MEAN 55.1 30.8 30.9 34.4 37.0 54.5 47.9 35.7 27.6 24.9 32.6 31.1 37.1 S. D. 9.581 7.589 9.590 9.516 9.60011.29610.74410.027 6-30 9.73310.639 9.168 8.881 13.738 TOTAL OBS 761 713 802 781 783 773 784 798 734 769 730 693 9121 39.3 MEAN 33.7 33.7 34.8 31.8 35.7 55.2 55.6 50.3 39.4 31.8 28.9 39.3 9.408 7.802 8.021 9.00810.638 , - 11 9.41713.409 7.586 8.631 8.120 9.962 9.293 12.737 TOTAL OBS 900 929 900 907 899 904 929 874 903 857 820 851 10673 MEAN 33.5 32.7 33.4 30.8 35.4 4C.1 54.6 54.5 49.8 39.4 32.3 29.6 38.9 12-14 S D 10.15610.625 9.574 7.338 7.986 6.891 7.212 8.068 8.76410.356 9.513 9.375 12.493 TOTAL OBS 9.70 907 900 930 930 900 906 876 903 859 822 852 10685 MEAN 53.6 34.6 32.9 31.8 29.6 40.2 52.9 48.5 38.3 31.8 29.1 31.8 38.1 15-17 5. D. 10.00410.574 9.351 7.016 7.544 5.991 6.897 8.150 8.733 9.937 9.541 9.288 12.222 TOTAL OBS 622 758 854 830 834 829 841 860 799 785 737 9769 820 33.0 32.6 28.1 MEAN 32.4 29.8 34.3 39.7 53.5 52.3 48.3 37.7 31.1 36.2 5. D. 9.49010.485 9.395 7.245 6.626 6.762 7.977 8.98010.16610.178 9.725 ·-2 8.087 12.235 TOTAL OBS 653 712 706 716 698 718 721 652 680 619 498 7990 617 MEAN 37.2 53.8 31.8 31.7 31.8 30.3 33.7 52.3 48.1 35.3 29.4 26.0 37.8 S D 1-23 8.93510.54510.414 8.011 8.343 7.447 7.493 8.48010.30110.84211.40910.403 13.014 TOTAL OBS 247 273 342 346 387 401 405 378 309 312 3902 MEAN S. D. TOTAL OBS MEAN 37.8 32.2 32.9 30.6 34.7 38.9 54.4 53.9 48.9 38.2 ALL 9.78110.599 9.620 7.465 8.508 7.831 7.748 8.388 9.203 0.676 0.261 9.752 12.807 HOURS TOTAL ORS 4223 4816 4705 4775 4738 4803 4863 4469 4622 4315 54916



GLOBAL CLIMATOLOGY BRANCH US AFETAC Al: \*EATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE **RELATIVE HUMIDITY** 

23104

wILLIAMS AFB AZ

70,73-81

JAN

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY	REATER THAN	1		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
JAN	0-02											
	3-05	100.0	100.0	99.1	92.7	80.8	61.1	46.6	23.9	6.8	66.5	234
	£6 <b>−</b> 08	100.0	100.6	98.7	93.2	83.6	65.3	47.0	21.4	7.0	67.2	761
	19-11	100.0	9 <b>9.</b> 0	91.3	77.6	67.2	40.8	23.2	8.6	2.0	56.1	970
	12-14	100.0	90.3	67.6	47.6	27.4	14.6	5 • 1	1.6	. 4	41.2	900
	15-17	99.8	84.1	57.4	37.2	18.6	9.9	4.0	1.7	•6	37.0	822
	18-20	100.0	97.5	79.3	58.3	39.2	22.7	11.2	3.4	•6	46.5	653
	21-23	100.0	98.2	93.6	77.6	56.6	36.7	22.4	5.7	1.8	55.0	281
				-								
										ļ		
τo	TALS	130.0	95.6	87.9	69.2	52.3	35.9	22.8	9.5	2.6	52.8	4551



GLUBAL CLIMATOLOGY BRANCH UNMFETAC ALL WEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

USE WITH CAUTION SEE FIRST PAGE

23104

WILLIAMS AFB AZ

70.73-81

FEB

STATION

STATION NAME

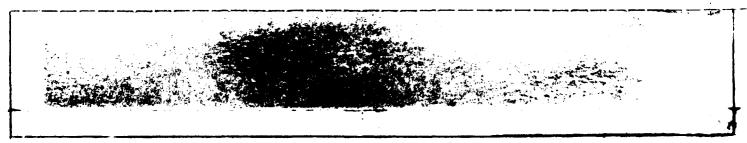
PERIOD

HTHOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENC	Y OF RELATIV	E HUMIDITY C	REATER THAN	ı		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
FEB	0-02											
	3-05	100.2	97.3	92.7	80.0	65.0	45.5	30.5	15.5	1.4	53.8	224
	80-6	100.0	98.7	93.4	83.0	68.4	50.1	31.7	15.4	2.1	60.1	713
	09-11	99.8	93.2	78.2	58.7	41.8	25.6	15.0	4 • B	1.2	47.4	820
	12-14	98.1	77.4	49.9	29.9	15.7	8.5	3.6	1.6	• 5	34.0	322
	15-17	97.6	64.2	40.9	22.2	12.9	6.2	2.5	.9	.4	30.1	758
	13-20	99.4	80.9	54.9	35.2	22.0	13.8	6.0	1.3	. 3	36.9	617
	∠1 <b>-2</b> 3	100.0	94.5	77.7	58.6	40.3	27.1	14.7	6.2		47.5	273
τo	TALS	99.3	86.6	69.7	52.5	38.0	25.3	14.9	6.5	.8	45.3	4223

USAPETAC PORM 0-87-5 (OL A)



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CLUBAL CLIMATOLOGY BRANCH USAFÉTAC ATH REATHER SERVICE/MAC

SEE FIRST PAGE

#### **RELATIVE HUMIDITY**

214 4

~ILLIAMS AFB AZ

70,73-81

MAR

STATION

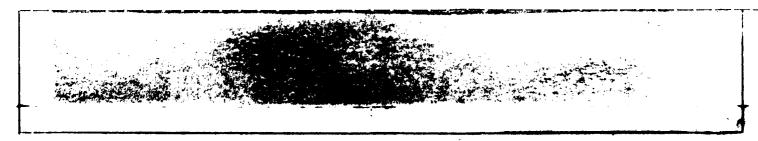
STATION NAME

PERIOD

HTHOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY C	REATER THAN	ı		MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
M A 23	.ú+02											
	.3-05	100.0	98.8	89.1	76.1	58.3	46.6	29.6	13.4	3.2	57.3	247
	80-0	100.0	99.8	90.4	79.4	60.7	46.9	30.0	14.1	2.6	58.1	502
i	2-11	1 .0.0	89.3	71.8	53.6	35.7	21.2	11.7	3.2	• 1	44.2	929
	12-14	99.4	74.2	49.0	29.0	15.2	8.9	3.7	1.3	• 3	33.5	930
	15-17	99.1	63.1	38.3	20.8	11.5	6.3	3.4	1.6	.4	29.7	854
; ;	13-20	100.0	75.3	48.6	29.9	18.3	11.8	7.2	3.5	• 3	35.0	712
	1-23	11.0.0	87.1	69.0	50.0	33.9	24.3	15.5	5•6	• 3	44.2	342
τo	TALS	99.8	83.9	65.2	48.4	33.4	23.7	14.4	6.1	1.0	43.1	4316



SEL PAL CLIMATOLOGY BRANCH US 4FETAC ATH WEATHER SERVICE/MAC

STATION

## RELATIVE HUMIDITY

USE WITH CAUTION SEE FIRST PAGE

23104 WILLIAMS AFB AZ 70,73-81

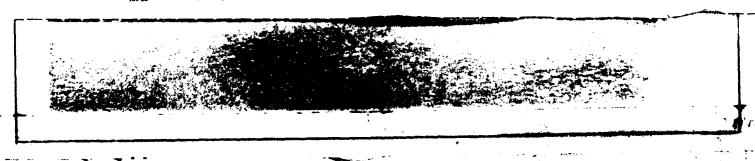
PERIOD

APR

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
APP	uo <b>−0</b> 2											
	C3-05	100.0	97.9	82.2	49.6	25.2	15.3	8.3	4.5	•8	44.0	242
	u6-08	100.0	97.1	73.9	43.9	22.7	14.3	9.1	3 • 2	•5	42.1	781
	09-11	99.9	66.4	28.7	13.8	7.9	3.9	1.3	• 2		27.6	900
	12-14	99.0	36.7	11.9	6.7	2.9	. 9	• 3	• 1		2 8	900
	15-17	98.6	23.5	8.9	4.7	3.0	1.6	•5	•1		18.5	830
	18-20	100.0	36.5	14.0	8 • 4	4.2	2.1	1.6	1.0		21.8	706
<del></del>	21-23	100.0	75.7	33.2	18.8	11.3	6.4	3.5	1.7		30.7	346
						-						
to	TALS	99.6	62.0	36.1	20.8	11.0	6.4	3.5	1.5	•2	29.4	4705



GLUBAL CLIMATOLOGY BRANCH US AFETAC ALE WEATHER SERVICE/MAC

USE WITH CAUTION SEE FIRST PAGE **RELATIVE HUMIDITY** 

23104 WILLIAMS AFB AZ

70,73-81

MAY

STATION

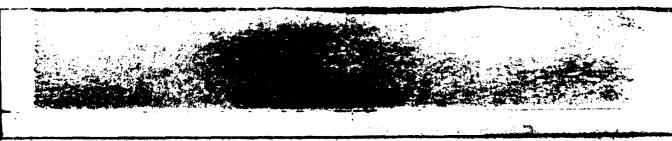
STATION NAME

PERIOD

HTHOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
.* & Y	C-02											
	3-05	100.0	92.1	54.4	27.4	14.9	10.4	6.2	3.7		36.4	241
	6-08	100.0	85.6	42.9	21.5	12.9	7.9	5.0	1.5		33.2	783
	09-11	99.3	45.8	16.9	8.5	4.5	1.5	•6			22.9	907
	12-14	96.3	27.2	8.7	3.3	.9	• 3				18.1	907
	15-17	92.9	19.9	5.8	1.9	1.3	. 8	• 5			16.3	834
	18-20	95.8	25.4	10.5	5.2	2.9	2.0	1.3	• 1		18.8	716
	21-23	99.7	52.5	17.8	7.2	4.4	2.1	1.3	• 3		23.8	387
											-	
τo	TALS	97.7	49.8	22.4	10.7	6.0	3.6	2.1	• 8		24.2	4775



PAL CLIMATOLOGY BRANCH F TAC PEATHER SERVICE/MAC

# USE WITH CAUTION RELATIVE HUMIDITY SEE FIRST PAGE

11 4 " AILLIAM" AFB AZ

69-70,73-80

JUN

STATION

STATION NAME

PERIOD

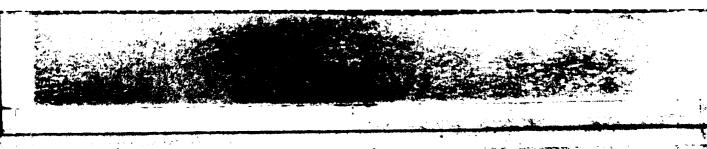
HIMOM

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENCY	OF RELATIVE	HUMIDITY GR	EATER THAN			MEAN	TOTAL
MONTH	(L.S.T)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
JUN .	10-05	<u> </u>	<u> </u>									
	£3-05	100.7	78.2	31.1	10.9	4.6	1.7	• 8	. 4		28.0	238
	06-08	100.0	62.9	23.0	6.7	2.6	.9	•1	•1		25.2	773
	9-11	97.0	27.4	5.7	•6	.1					17.9	899
	12-14	90.9	11.4	2.1	.9	•6	•1				14.9	900
	15-17	87.1	4.9	1.7	•6	. 4	•2	•1			13.6	829
	18-20	93.0	11.7	3.2	1.0	•6	i 				15.2	698
	21-23	98.3	24.9	2.5	1.2						17.9	461
		-										
TO	OTALS	95.2	31.6	9.9	3.1	1.3	.4	•1	•1		19.0	4738

USAFETAC FORM 0-87-5 (OL A)

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GLOBAL CLIMATOLOGY BRANCH LOBAFETAC AID WEATHER SERVICE/MAC

# SEE FIRST PAGE

27104 KILLIAMS AFB AZ

69-70,73-80

JÜL

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	!		PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	OBS.
JUL	.o-o2		<u> </u>									
	3-05	100.0	96.3	82.0	55.9	26.5	13.1	5.7	.8		43.7	245
	06-08	99.9	93.8	75.1	48.6	20.4	8.3	2.6			40.6	784
	09-11	99.3	83.8	46.9	17.0	4 • 1	.7				30.8	904
	12-14	98.9	69.6	21.5	3.2	. 4					24.8	906
	15-17	98.2	52.7	12.2	3.1	•6	- 1				22.1	841
	18-20	97.8	61.1	20.9	7.0	2.9	.6				24.4	718
	21-23	99.5	82.2	38.5	15.1	5.7	2.7	•2			29.8	405
			-		<del></del>	<del> </del>		ļ				
10	TALS	99.1	77.1	42.4	21.4	8.7	3.6	1.2	• 1		30.9	4883



ELEBAL CLIMATOLOGY BRANCH & SAFETAC AIR REATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

USE WITH CAUTION SEE FIRST PAGE

23104

WILLIAMS AFB AZ

69-70,73-80

AUG

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
AUC	0-02			ļ								
· <u>-</u>	u3-05	100.0	99.2	86.6	60.3	22.7	8.5	3.6			43.9	247
	06-08	100.0	98.4	86.1	52.0	21.8	7.5	1.6	•1		42.4	798
	u9 <b>-11</b>	99.9	88.2	52.7	18.5	4.7	1.1	• 1			32.1	929
	12-14	99.0	69.1	25.5	3.9	•8	•1				25.4	936
	15-17	97.3	54 - 2	12.8	1.3	• 5	•1				21.9	860
	18-20	98.9	59.9	18.4	4.7	1.5	•1				23.8	721
	21-23	100.0	84.4	34.9	13.2	5.3	2.6	•8			29.4	378
<del></del>												 
10	TALS	99.3	79.1	45.3	22.0	8.2	2.9	.9	•0		31.3	4863

USAFETAC 0-87-5 (OL A)



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIM WEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

USE WITH CAUTION SEE FIRST PAGE

23134

WILLIAMS AFB AZ

69-70,73-80

SEP

STATION

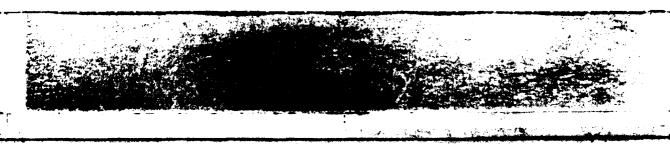
STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
HTMOM	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
5 ( P	00-02				ļ							
	3-05	100.0	99.1	81.3	48.0	20.9	10.7	4.9	1.3		42.2	229
	6-08	100.0	99.0	78.7	44.6	18.4	11.0	5.7	1.5		41.4	734
	19-11	99.5	84.1	46.0	17.0	7.4	3.8	2.1	• 5		31.6	874
	12-14	98.6	63.9	23.1	6.5	3.3	1.7	• 3	• 1		25.2	876
	15-17	97.2	51.3	13.8	4.3	2.3	•8	• 5			22.5	799
	18-20	98.9	68.1	25.6	9.4	5.1	2.0	. 8			26.3	652
	21-23	99.7	86.1	46.3	22.0	12.0	6.1	1.9			32.9	309
					-							
TC	TALS	99.1	78.8	45.0	21.7	9.9	5.2	2.3	•5		31.7	4469



CLOBAL CLIMATOLOGY BRANCH CLAFETAC ALR WEATHER SERVICE/MAC

STATION

WILLIAMS AFB AZ

**RELATIVE HUMIDITY** 

USE WITH CAUTION SEE FIRST PAGE

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STATION NAME

OCT

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

69-70,73-80

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
ост	00-02											
	_3-05	100.0	98.7	72.8	43.4	21.3	12.8	8.5	3.4		41.6	235
	C6-08	100.0	98.6	71.3	42.7	20.0	13.1	9.0	3.4	• 3	41.5	769
	09-11	100.0	76.5	37.9	19.0	11.2	6.0	2.7	•7		30.9	903
	12-14	97.3	50.6	21.7	10.3	4.4	2.5	•6			24.2	903
	15-17	98.0	42.1	15.4	7.6	3.7	1.7	• 9			22.0	820
	18-20	100.0	63.4	27.8	11.8	6.9	4.4	1.0	• 3		27.0	680
··	21-23	100.0	86.5	44.2	20.2	11.9	8.7	3.5	1.0		33.2	312
to	TALS	99.3	73.8	41.6	22.1	11.3	7.0	3.7	1.3	.0	31.5	4622

ELOBAL CLIMATOLOGY BRANCH GRAFETAC AIN MEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

USE WITH CAUTION SEE FIRST PAGE

23104

WILLIAMS AFB AZ

69-70,73-80

NOV

STATION

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O

STATION NAME

PERIOD

HONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	SE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
NOV	00-02											
	G3 <b>-</b> 05	100.0	98.2	76.6	52.3	32.1	22.5	13.8	7.8	1.8	46.2	218
	36-08	100.0	98.2	80.5	54.8	33.8	22.6	12.5	6.2	1.9	46.7	730
	09-11	99.8	82.1	49.9	30.5	18.8	11.6	7.0	2.3	•1	35.9	857
	12-14	98.6	57.0	28.9	16.6	8.0	4.9	2.3	•6		27.3	859
	15-17	98.1	48.9	25.0	13.4	6.2	3.7	2.2	.6		25.2	785
	18-20	99.2	76.3	41.7	25.4	13.6	6.3	3.1	•5		32.3	619
	21-23	100.0	91.5	63.2	40.9	25.5	14.2	6.9	1.6		40.0	247
το	TALS	99.4	78.9	52.3	33.4	19.7	12.3	6.8	2.8	•5	36.2	4315



GLOBAL CLIMATOLOGY BRANCH US AFETAC AIR WEATHER SERVICE/MAC

USE WITH CAUTION RELATIVE HUMIDITY SEE FIRST PAGE

23104

WILLIAMS AFB AZ

69-70,73-80

DEC

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY O	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OBS.
DFC	00-02											
	U3-05	100.0	98.4	85.9	66.8	52.2	33.7	17.9	7.1	2.2	52.3	18
	36-08	100.0	98.8	89.8	72.9	55.4	37.8	20.6	9•8	1.7	54.4	69
	u9-11	100.0	95.1	73.1	49.1	31.4	20.0	11.3	4.6	.4	44.1	85
	12-14	99.9	77.5	42.4	23.0	14.3	8.1	3.5	1.2	•2	32.4	85
	15-17	99.9	66.4	29.6	17.4	9.6	4.5	2.0	.7		28.8	73
	18-20	100.0	91.8	59.4	31.9	17.7	10.8	5.0	1.4		37.3	49
	∠1-23	100.0	97.7	72.9	55.7	34.8	20.8	7.7	3.6		44.9	22
10	TALS	100.0	89.4	64.7	45.3	30.8	19.4	9.7	4.1	.6	42.0	403

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0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH CE AFETAC AT . WEATHER SERVICE/MAC

#### **RELATIVE HUMIDITY**

23104 WILLIAMS AFB AZ

69-70,73-81

ALL

STATION NAME

PERIOD

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS		<u> </u>	PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY C	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
JAri	ALL	100.0	95.6	83.9	69.2	52.3	35.9	22.8	9.5	2.6	52.8	4551
FEB	_	99.3	86.6	69.7	52.5	38.0	25.3	14.9	6.5	. 8	45.0	4223
мдя		99.8	83.9	65.2	48.4	33.4	23.7	14.4	6.1	1.0	43.1	4816
APF		99.6	62.0	36.1	20.8	11.0	6.4	3.5	1.5	• 2	29.4	4705
MAY		97.7	49.8	22.4	10.7	6.0	3.6	2.1	•8		24.2	4775
JUN		95.2	31.6	9.9	3.1	1.3	. 4	• 1	•1		19.C	4738
JUL		99.1	77.1	42.4	21.4	8.7	3.6	1.2	•1		30.9	4803
AUG		99.3	79.1	45.3	22.0	8 • 2	2.9	.9			31.3	4863
SEP		99.1	78.8	45.0	21.7	9.9	5.2	2.3	• 5		31.7	4469
OCT		99.3	73.8	41.6	22.1	11.3	7.0	3.7	1.3		31.5	4622
NOV		99.4	78.9	52.3	33.4	19.7	12.3	6.8	2.8	•5	36.2	4315
DEC		100.0	89.4	64.7	45.3	30.8	19.4	9.7	4.1	.6	42.0	4036
TO	TALS	99.0	73.9	48.2	30.9	19.2	12.1	6.9	2.8	•5	34.8	54916



U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART F

#### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

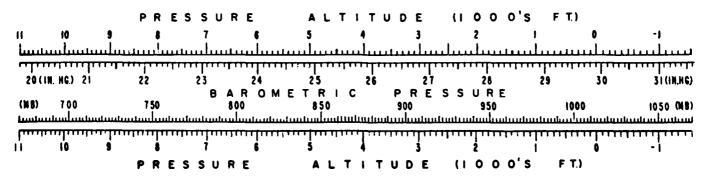
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLOBAL CLIMATOLOGY BRANCH US AFETAC A19 WEATHER SERVICE/MAC

## USE WITH CAUTION MEANS AND STANDARD DEVIATIONS SEE FIRST PAGE

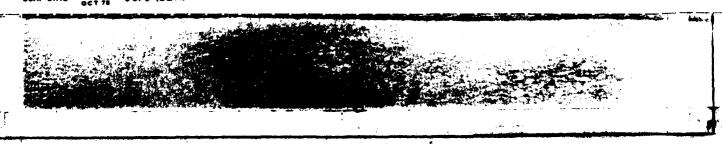
STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

2 1104

wILLIAMS AFB AZ

69-70,73-81

STATION STATION NAME YEARS HRS. (L.S.T.) JAN. FEB. MAR. APR. MAY AUG. SEP. OCT. NOV. DEC. ANNUAL JUN. MEAN S. D. TOTAL OBS MEAN 28.56828.54828.45128.42828.38228.36128.40328.39328.40428.47028.55328.575 28.458 S D .125 .116 .118 .083 .067 .062 .063 .099 .125 .098 .076 .122 .123 TOTAL OBS 235 247 220 242 241 238 245 247 225 235 218 184 2777 28.498 MEAN 28.599k8.586k8.500k8.471k8.423k8.404k8.446k8.436k8.442k8.502k8.578k8.608 S. D. .120 .076 .099 •120l .117 .070 . 365 .098 .087 .063 .121 .122 .122 TOTAL OBS 281 262 296 288 290 282 286 292 273 286 271 265 3372 MEAN 28.63128.61128.51328.47628.41828.39828.44128.43628.44428.50828.59228.628 28.506 .099 S. D. .119 .118 .117 .086 .071 .064 .064 .075 .097 .121 .121 .128 TOTAL OBS 300 274 310 300 303 300 301 310 292 301 286 284 3561 MEAN 28.55328.54228.45628.42128.36628.34828.38128.37628.38128.43828.51828.551 28.443 .114 .094 .119 .117 74 S. D. .115 .114 .099 .085 .073 .062 .061 .073 .121 TOTAL OBS 300 274 310 300 303 300 302 310 292 301 287 3563 MEAN 28.53528.50728.41528.37428.31528.29228.32328.31828.33928.41528.50328.537 28.402 .098 •112 \$. D. •115 .116 .097 .075 .075 .118 •13d .087 .059 .061 .121 TOTAL OBS 251 238 226 252 248 244 242 250 228 236 226 2831 MEAN 28.56928.53728.43528.38928.32728.29428.33428.33228.36128.43628.52128.566 28.413 .130 S. D. .116 .112 .098 ₹0 .120 .098 .085 .073 .064 .063 .076 .114 .133 TOTAL OBS 221 223 179 176 217 220 230 206 212 178 137 2427 228 MEAN S. D. 23 TOTAL OSS MEAN 28.57828.55828.46528.43028.37528.35328.39128.38628.39928.46428.54628.581 28.457 ALL S. D. -084 .122 .105 .095 .123 .120 .078 .077 .085 .104 .124 .126 .132 HOURS TOTAL OR 1598



GLOBAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

## SEE FIRST PAGE MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

2 104

WILLIAMS AFB AZ

69-70,73-81

STATION

STATION NAME

YEARS

SIAHON			314	HON NAME						TEARS				
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUŁ.	AUG.	SEP.	ост.	NOV.	DEC.	ANNUAL
	MEAN													
	S. D.													i
	TOTAL OBS													
												ļ		
	MEAN												1017.2	1012.
i.	\$. D.												4.684	4.84
	TOTAL OBS	235	220	247	242	241	238	245	247	225	235	218	183	277
	MEAN	1018.4	1017.6	1014-4	1012.9	1010.7	1009.5	1010.8	1010.5	1011.0	1613.7	1017.1	1018.7	1013.
£	\$. D.	4.449	4.407	4.224	3.630	3.171	2.516	2.303	2.423	2.807	3.810	4.470	4.456	4.85
	TOTAL OBS	281							1				1	337
									L					Ĺ
	MEAN												1019.2	1014.
1	S. D.			_		-			1		ľ	1	4.400	5.06
	TOTAL OBS	300	274	310	330	303	300	302	316	292	301	286	284	356
	MEAN	1016.6	1015.0	1012.8	1011.1	1008.6	1007.5	1008.6	1008.4	1008.8	1011.5	1014.8	1016.5	1011.
<u>, </u> t <sub>i</sub>	5. D.												4.266	4.81
14	TOTAL OBS	300	_		1		l .	1	1					356
	101/11	300				303	300	- 332		-				
	MEAN	1016.0	1014.6	1011.3	1009.4	1006.9	1005.6	1006.5	1006.4	1007.4	1010.6	1014.3	1015.9	1010.
.7	\$. D.	4.112	4.096	4.207	3.620	3.222	2.711	2.239	2.255	2.757	3.647	4.338	4.405	5.13
	TOTAL OBS	238	226	252	248	244	242	249	251	228	236	226	190	283
	MEAN	1017.8	1015.0	1012 1	1010.0	1007.3	1005.6	1006.9	1006.8	1000.1	1011.5	1015.1	1017.3	1013.
a -	\$. D.												4.672	5.35
ÿ	TOTAL OBS	179						1	1			1		242
	MEAN													
23	\$. D.							i	1			1	1	
	TOTAL OBS		ļ					ļ	ļ	ļ		-		
	MEAN	1017.6	1016.5	1013-1	1011.4	1009-0	1007.7	1008.9	1008.8	1009.5	1012.4	1015.9	1017.6	1612.
ATL	S. D.												4.612	5.19
HOURS	TOTAL OBS					•		1	1				1342	1852

